

Instrument Valves and Manifolds



Catalogue



Order instructions and general information

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3 valve manifolds

5 valve manifolds

Integral Manifolds

Manifold combinations

Monoflanges

Multi-way cocks

Shut-off valves

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Air headers

Pressure gauge valves

Pressure gauge cocks

Gauge protectors

Gauge snubber

Pressure instrument accessories

Order instructions and general information

Materials

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Valves and fittings for oxygen service

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Revision of standard DIN 19 213 (issue 02.91) and IEC 61518 / DIN EN 61518

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1. The valves and fittings with BSP, metric and NPT threads which are listed in the following drawings and schedules, are to a great extent on stock and can be delivered shortly (subject to prior sale).
2. All standard valves and manifolds are pressure-tested according to DIN 3230-BN / BQ (test medium: water, test pressure: 1,5xPN). Further test requirements can be arranged.
3. For special executions regarding connections and material, please send us your enquiries.

4. Standard body materials:

Material	Material No.	Alloy Type / Steel Grade	UNS-No.	Remarks
Brass	CW614N (2.0401)	Cu Zn 39 Pb 3		previous short
	CW617N (2.0402)	Cu Zn 40 Pb 2		form: Ms 58
Steel	1.0460	C22G2 (C 22.8)		
	1.5415	16 Mo 3 (15 Mo 3)		for high temperatures
	1.7335	13 Cr Mo 4-5 (13 Cr Mo 4 4)		for high temperatures
	1.7380	10 Cr Mo 9-10		heat resistant
Stainless steel	1.4571	X6 Cr Ni Mo Ti 17-12-2	S 31635	AISI 316Ti
	1.4404	X2 Cr Ni Mo 17-12-2	S 31603	AISI 316L, BS. 316S11

5. Special materials:

Material No.	Alloy Type / Steel Grade	UNS-No.	Remarks
1.4439	X2 Cr Ni Mo N 17-13-5		salt water resistant
1.4539	X1 Ni Cr Mo Cu 25-20-5	N 08904	high corrosion resistant
1.4541	X6 Cr Ni Ti 18-10	S 32100	low temperature resistant
1.4462	Duplex / X2 Cr Ni Mo N 22-5-3	S 31803	
	Superduplex	S 32750 / S 32760	
2.4360	Monel® 400 / Ni Cu 30 Fe	N 04400	
2.4819	Hastelloy® C-276 / Ni Mo 16 Cr 15 W	N 10276	
2.4610	Hastelloy® C-4 / Ni Mo 16 Cr 16 Ti	N 06455	
	Titanium Gr. 2	R 50400	
	6 Mo / 254SMO®	S 31254	

6. Registered trademarks:

Hastelloy® is a registered trademark of Haynes International.

KEL-F® is a registered trademark of 3M Co.

Monel® is a registered trademark of International Nickel Company.

Perbunan® is a registered trademark of Bayer AG.

Viton®, **Delrin®** and **Tefzel®** are registered trademarks of DuPont Dow Elastomers.

254SMO® is a registered trademark of AVESTA.

7. Types of inspection documents:

Certificate of compliance with the order 2.1 acc. to EN 10 204

Test report 2.2 acc. to EN 10 204

Inspection certificate 3.1.A acc. to EN 10 204

Inspection certificate 3.1.B acc. to EN 10 204

Inspection certificate 3.1.C acc. to EN 10 204

Inspection by Germanischer Lloyd and others.

8. On each catalogue sheet, you will find the pressure and temperature rating, corresponding to the used material.

For permanent temperatures of more than 300°C (at the valve) or for the use with certain aggressive media, valves with external stem thread should be used in any case.

9. Valves, manifolds and components for oxygen service, please notice order instructions B 3.

10. We produce special executions of valves, cocks and manifolds according to your drawings, designs or samples.

Please send us your enquiries.

Continuous development in Schneider products may necessitate changes in the details contained in this catalogue.
ARMATURENFABRIK FRANZ SCHNEIDER GmbH & Co. KG reserve the right to effect such changes at their discretion without prior notice.

Valves and fittings for oxygen service, cleaned and degreased, are only to be delivered in brass and stainless steel (steel is not suitable for oxygen).

The below mentioned additional designations for cleaned and degreased parts (F1 to F5) are defining the pressure rating and the adequate packing (except F0, please see below).

F0: For valves and fittings without packing (e.g. gauge snubbers, gauge protectors, multi-way cocks, components etc.)
Operating datas on demand.

For cocks with plug seal (e.g. multi-way cocks) is valid:
max. 63 bar, max. 60°C

Standard Execution

F1: PN 100
PTFE packing with BAM tested packing support
Pressure and temperature rating: max. 100 bar, max. 60°C

F2: PN 160
PTFE-tapered ring packing
Pressure and temperature rating: max. 160 bar, max. 60°C

F4: PN 250
Graphite packing, BAM tested
Pressure and temperature rating: max. 250 bar at 60°C
max. 200°C at 230 bar

F5: Max. PN 420
PTFE packing, BAM tested
Pressure and temperature rating: max. 420 bar at 60°C
max. 200 °C at 90 bar

HOW TO ORDER

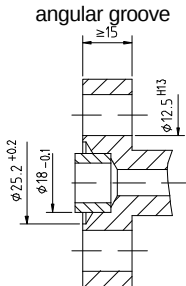
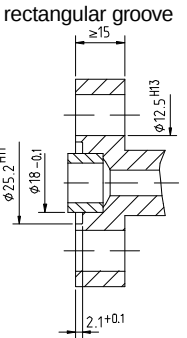
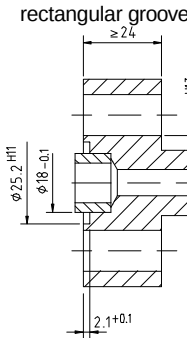
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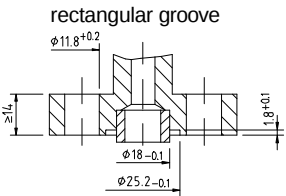
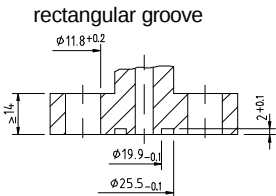
- Adaptor according to DIN 16 281
Connections: G 1/2 male/female
Material: brass
Part no. for standard execution: S006.06.000
Part no. for oxygen execution: S006.06.000.00F0
- Pressure gauge valve, DIN 16 270, PN 100 DN 4
Connections: G 1/2 male/female
Material: brass
Part no. for standard execution: S004.16.000
Part no. for oxygen execution: S004.16.000.00F1
- 3 valve manifold, PN 160 DN 5
Connections: tube fitting
O. D. 12 mm, line S
Material: 1.4571
Part no. for standard execution: S341.31.200
Part no. for oxygen execution: S341.31.200.00F2

Important instruction:

For orders of valves and fittings for oxygen service without supplement F1, F2, F4 or F5 or without information about pressure rating, the standard execution PN 100 (F1) will be delivered.

For the use of manifolds and multi-way cocks for direct mounting with dimensions according to DIN 19 213 / IEC, the following prescriptions are valid:

	Dimensions ¹⁾ at the manifold acc. to DIN 19 213		
	Type B 1	Type B 2	Type B 3
groove for seal ring			
max. operating pressure in bar	100	160	400
temperature range in °C	0 to 60	0 to 120	
sealing ring ²⁾	flat ring DIN 19 213 17,7 x 24 x 2,7 material: PTFE	O-ring DIN 3771 20 x 2,65-S-FPM 80 material: FPM (Viton®)	O-ring DIN 3771 20 x 2,65-S-FPM 90 material: FPM (Viton®)
minimum thread engagement in mm	10	10	12
type	S341.... S345....	S441....	S541.... N541....

	Dimensions ³⁾ at the manifold acc. to IEC 61518 / DIN EN 61518				
	Type A with spigot			Type B without spigot	
groove for seal ring					
max. operating pressure in bar	420			420	
temperature range in °C	-10 to +80	-15 to +120	-40 to +120	-10 to +80	-40 to +120
seal ring ²⁾	flat ring 17,7 x 24 x 2,7 material: PTFE	O-ring ISO 3601-1 20 x 2,65 S-FPM90 material: FPM (Viton®)	flat ring 25,1 x 18 x 2,9 material: graphite	flat ring 25,4 x 20 x 2,7 material: PTFE	flat ring 25,4 x 19,9 x 2,9 material: graphite
minimum thread engagement in mm	9			9	
type	N542.39.... N542.46....			N642....	

1) Concerning the dimensions at the manifold, the holes for the mounting bolts has been fixed to the measure 12, 5 H13. For M 10 and 7/16- 20 UNF mounting bolts, washers have to be used.

2) The O-rings' resistance against aggressive media has to be checked. If use of described seal rings is not possible, you should mount screw connectors into the flanges of the differential pressure measuring instrument.

The accessory kits for the mounting of the manifolds and multi-way cocks to the transmitters are shown in section 8, page 8.00.

3) The E series valves and manifolds are manufactured acc. to the DIN EN 61518 which will replace the DIN 19 213 issue 02/91. The mounting holes are designed for 7/16-20 UNF mounting bolts only.

2-fach Ventilblöcke / 2 valve manifolds / Manifolds 2 voies



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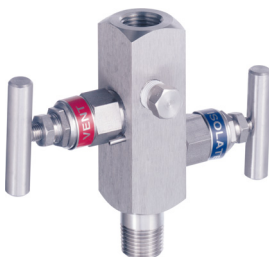
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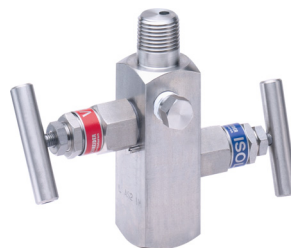
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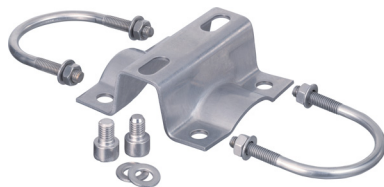
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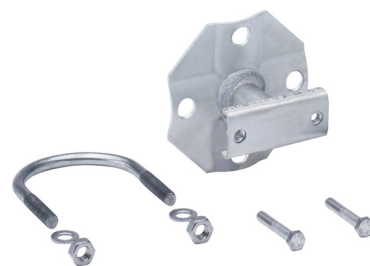
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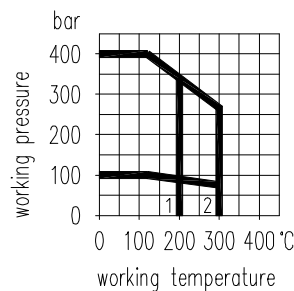
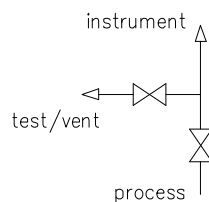
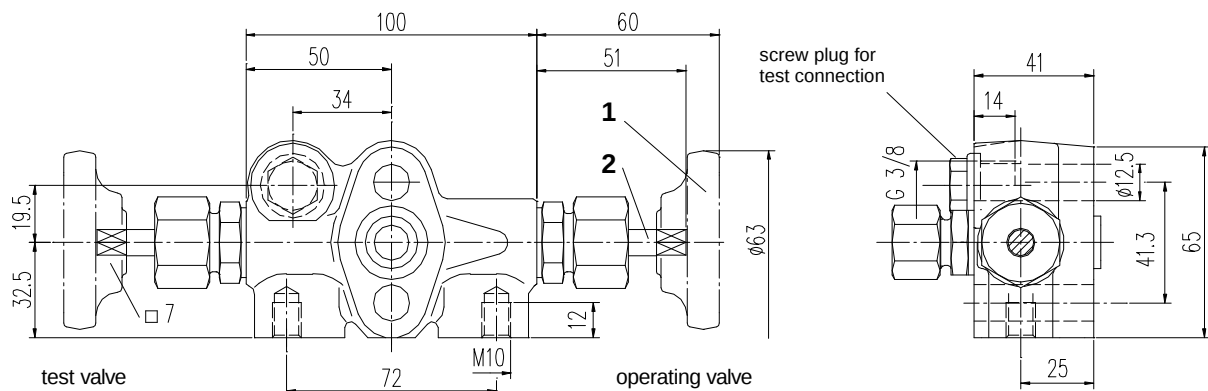
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1 PTFE packing
2 graphite packing

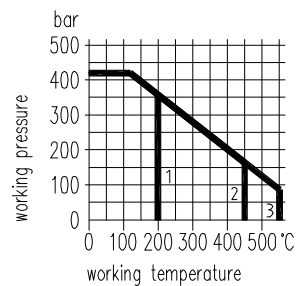
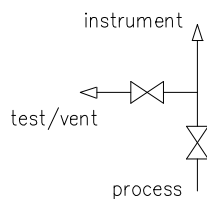
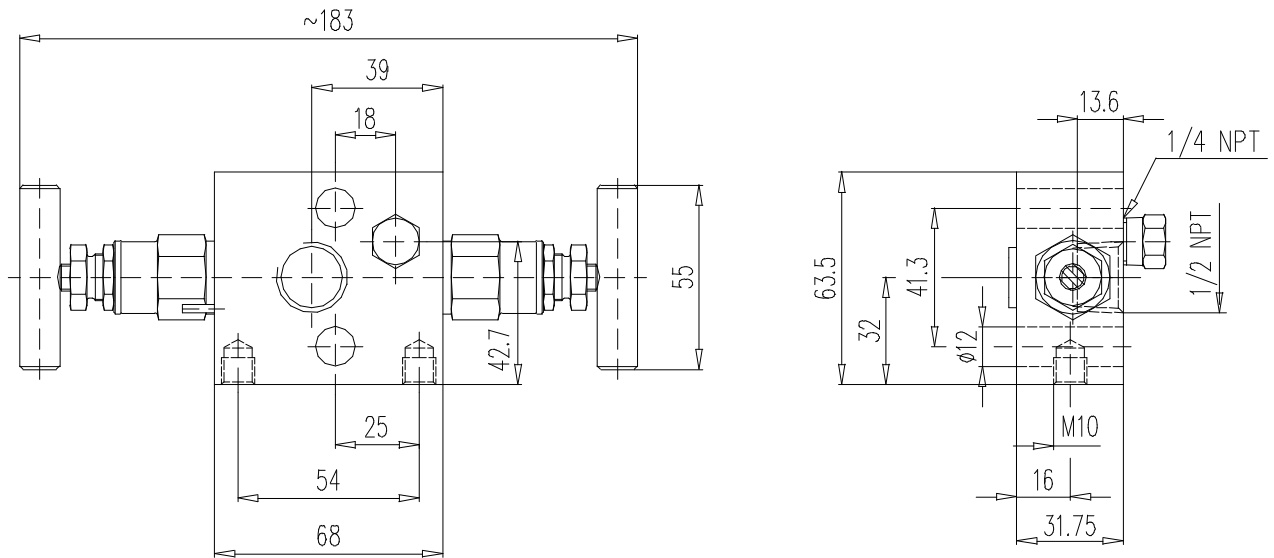
MOUNTING ACCESSORIES see section 8

PN	Material	Connections		Part no.	
		Inlet	Outlet ³⁾	Type 1	Type 2
100	steel st. st.	tube fitting O. D. 12 mm line L, G 3/8	DIN 19 213 Type B1	S341.34.100 S341.34.200	S341.34.110 S341.34.210
400	steel st.st.	tube fitting O. D. 12 mm line S, G 3/8	DIN 19 213 Type B3	S541.34.105 S541.34.205	S541.34.115 S541.34.215

Components	Steel	Stainless steel ¹⁾
	DIN - Material Number	
Body ²⁾	1.0460	1.4571
Bonnet	1.0501	1.4571
Valve seat	1.4571	
Valve stem	1.4104	1.4571
Needle tip	1.4122 ⁴⁾	1.4571
Packing	PTFE up to 200°C (graphite up to 300°C)	
Union nut	steel	1.4571

- Body: die-pressed part
- Surface: steel phosphatized
- Internal stem thread
- Replaceable valve seat
- Stem with cold rolled surface, back seat and non-rotating needle tip
- Type 1 : handwheels made of plastic
- Type 2 : 1 socket wrench (accessory)
- Special types are available

- 1) Can also be supplied for oxygen service. Please notice order instruction B 3!
- 2) Available with inspection certificate 3.1.B acc. to EN 10 204
- 3) Dimensions acc. to DIN 19 213 see order instruction B 4
- 4) 1.4122 quenched and tempered



- 1 PTFE packing
- 2 graphite packing - 1.0460
- 3 graphite packing - 1.4404

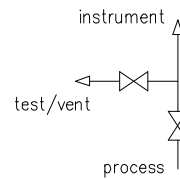
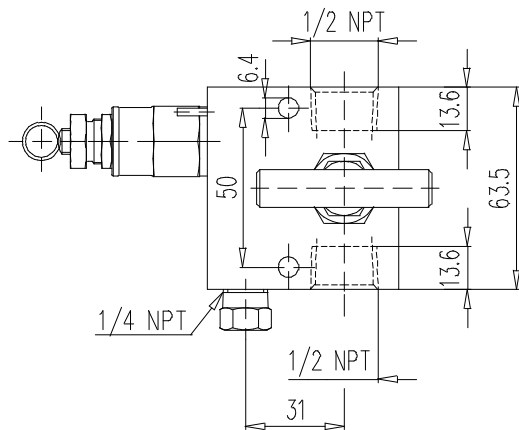
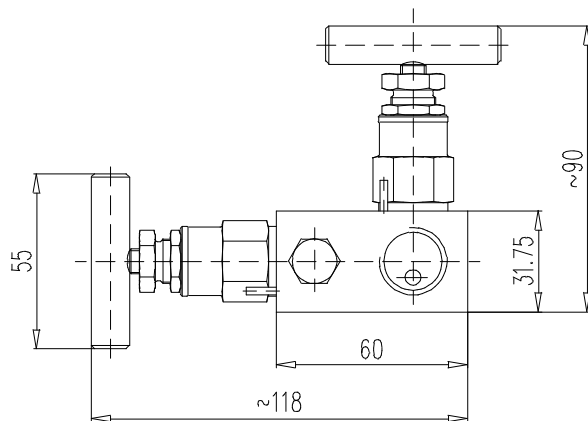
MOUNTING ACCESSORIES see section 8

Material	Connections			Part no.
	Inlet	Outlet ⁴⁾	Test / Vent	
steel st. st.	1/2 NPT female	IEC, Type A	1/4 NPT female with screw plug	N542.44.180.01 N542.44.480.01

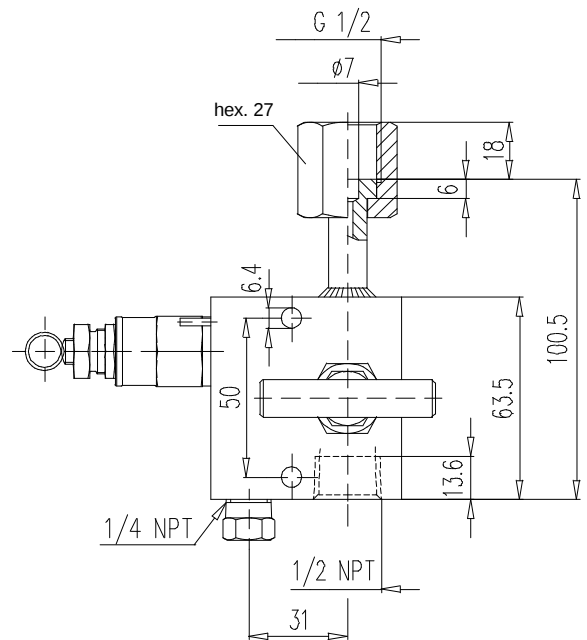
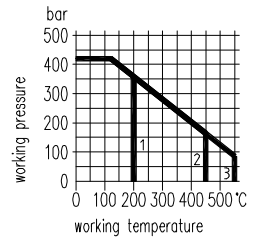
Components	Steel	Stainless steel ¹⁾
	DIN - Material Number	
Body ²⁾	1.0460	1.4404 / 316L
Bonnet	1.4401 / 316	
Valve stem	1.4404	
Needle tip ³⁾	1.4122 ⁵⁾	1.4571
Packing	PTFE up to 200°C (graphite up to 550°C)	
Gland nut	1.4301	
T-handle	stainless steel	
Screw plug	1.0501	1.4404

- Surface: steel phosphatized
- External stem thread
- Stem with cold rolled surface, back seat and non-rotating needle tip
- Special types are available
- The manifolds can be supplied according to NACE-standard

- 1) Can also be supplied for oxygen service. Please notice order instruction B 3!
- 2) Available with inspection certificate 3.1.B acc. to EN 10 204
- 3) Also available with soft tip in KEL-F® (PCTFE) or Delrin® (POM)
- 4) Dimensions acc. to IEC 61518 / DIN EN 61518 see order instruction B 4
- 5) 1.4122 quenched and tempered



- 1 PTFE packing
- 2 graphite packing - 1.0460
- 3 graphite packing - 1.4404



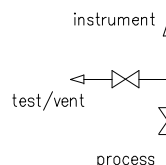
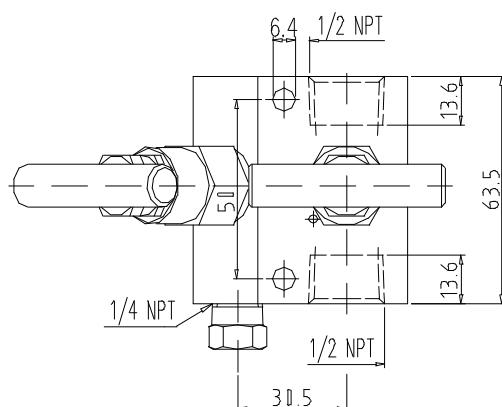
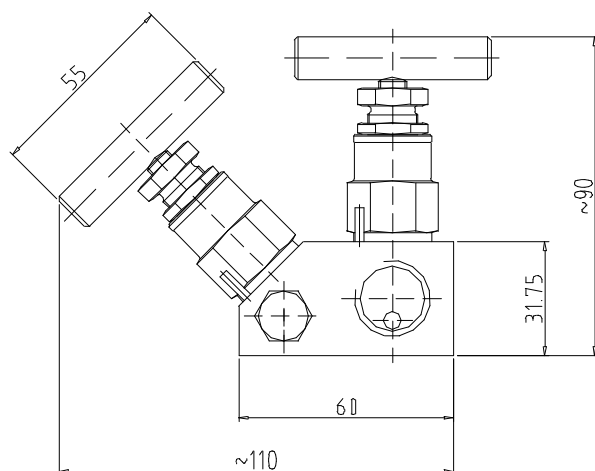
MOUNTING ACCESSORIES see section 8 and 10

Material	Connections			Part no.
	Inlet	Outlet	Test / Vent	
steel st. st.	1/2 NPT female		1/4 NPT female with screw plug	N342.44.183.01 N342.44.483.01
steel st. st.	1/2 NPT female	swivel nut G 1/2		N342.44.183.02 N342.44.483.02

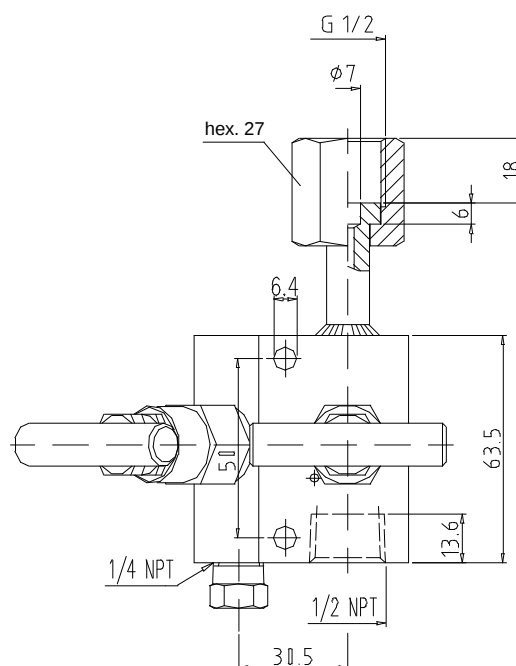
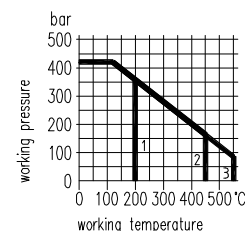
Components	Steel	Stainless steel ¹⁾
	DIN - Material Number	
Body ²⁾	1.0460	1.4404 / 316L
Bonnet	1.4401 / 316	
Valve stem	1.4404	
Needle tip ³⁾	1.4122 ⁴⁾	1.4571
Packing	PTFE up to 200°C (graphite up to 550°C)	
Gland nut	1.4301	
T-handle	stainless steel	
Screw plug	1.0501	1.4404

- Surface: steel phosphatized
- External stem thread
- Stem with cold rolled surface, back seat and non-rotating needle tip
- Special types are available
- The manifolds can be supplied according to NACE-standard

- 1) Can also be supplied for oxygen service. Please notice order instruction B 3!
- 2) Available with inspection certificate 3.1.B acc. to EN 10 204
- 3) Also available with soft tip in KEL-F® (PCTFE) or Delrin® (POM)
- 4) 1.4122 quenched and tempered



- 1 PTFE packing
- 2 graphite packing - 1.0460
- 3 graphite packing - 1.4404



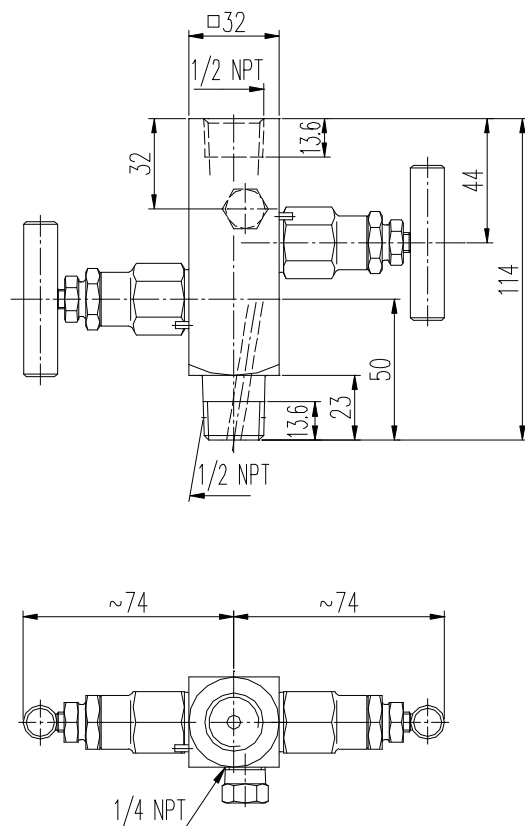
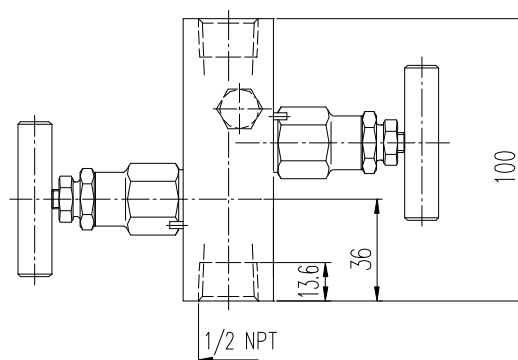
MOUNTING ACCESSORIES see section 8 and 10

Material	Connections		Test / Vent	Part no.
	Inlet	Outlet		
steel st. st.	1/2 NPT female		1/4 NPT female with screw plug	N342.44.183.21 N342.44.483.21
steel st. st.	1/2 NPT female	swivel nut G 1/2		N342.44.183.22 N342.44.483.22

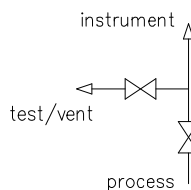
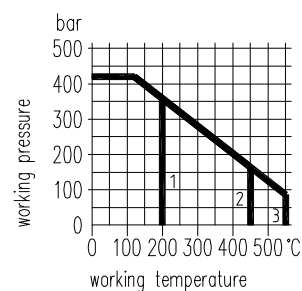
Components	Steel	Stainless steel ¹⁾
	DIN - Material Number	
Body ²⁾	1.0460	1.4404 / 316L
Bonnet	1.4401 / 316	
Valve stem	1.4404	
Needle tip ³⁾	1.4122 ⁴⁾	1.4571
Packing	PTFE up to 200°C (graphite up to 550°C)	
Gland nut	1.4301	
T-handle	stainless steel	
Screw plug	1.0501	1.4404

- Surface: steel phosphatized
- External stem thread
- Stem with cold rolled surface, back seat and non-rotating needle tip
- Special types are available
- The manifolds can be supplied according to NACE-standard

- 1) Can also be supplied for oxygen service. Please notice order instruction B 3!
- 2) Available with inspection certificate 3.1.B acc. to EN 10 204
- 3) Also available with soft tip in KEL-F® (PCTFE) or Delrin® (POM)
- 4) 1.4122 quenched and tempered

Type 1

Type 2


- 1 PTFE packing
- 2 graphite packing - 1.0460
- 3 graphite packing - 1.4404



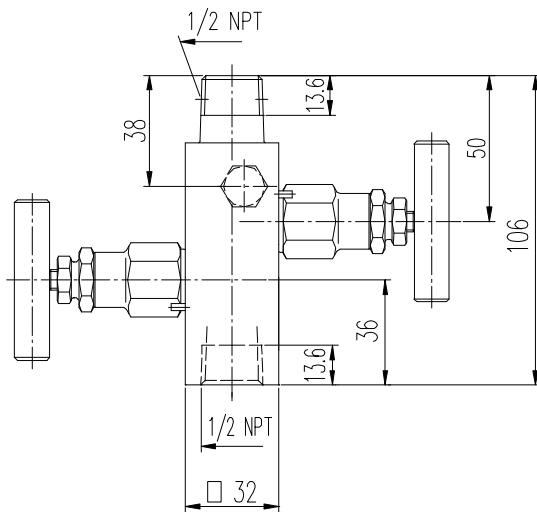
Type	Material	Connections			Part no.
		Inlet	Outlet	Test / Vent	
1	steel st. st.	1/2 NPT male	1/2 NPT female	1/4 NPT female with screw plug	N354.60.101.05 N354.60.401.05
2	steel st. st.	1/2 NPT female			N354.60.109.05 N354.60.409.05

Components	Steel	Stainless steel ¹⁾
	DIN - Material Number	
Body ²⁾	1.0460	1.4404 / 316L
Bonnet	1.4401 / 316	
Valve stem	1.4404	
Needle tip ³⁾	1.4122 ⁴⁾	1.4571
Packing	PTFE up to 200°C (graphite up to 550°C)	
Gland nut	1.4301	
T-handle	stainless steel	

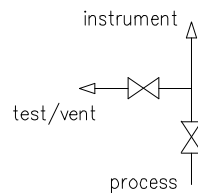
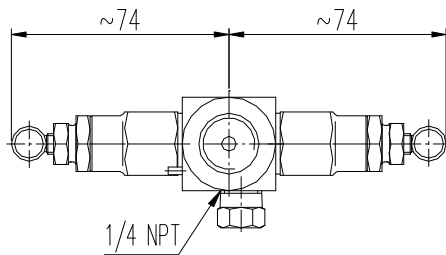
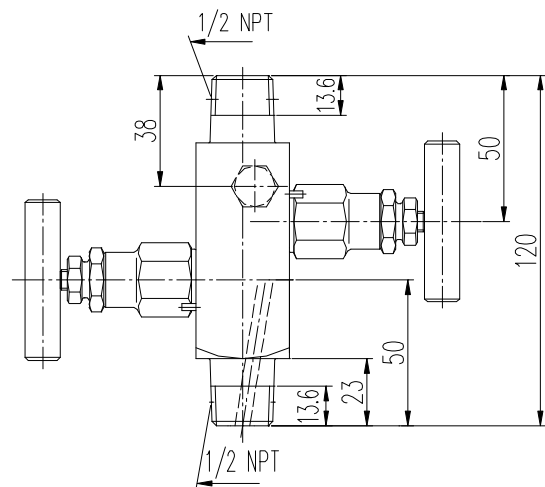
- Surface: steel phosphatized
- Working pressure up to 700 bar (10.000 psi) on request
- External stem thread
- Stem with cold rolled surface, back seat and non-rotating needle tip
- The valves can be supplied according to NACE-standard
- On request:
 - Anti-tamper facility
 - Panel mounting
 - Extended body on male inlet port
 - Padlocking facility

- 1) Can also be supplied for oxygen service. Please notice order instruction B 3!
- 2) Available with inspection certificate 3.1.B acc. to EN 10 204
- 3) Also available with soft tip in KEL-F® (PCTFE) or Delrin® (POM)
- 4) 1.4122 quenched and tempered

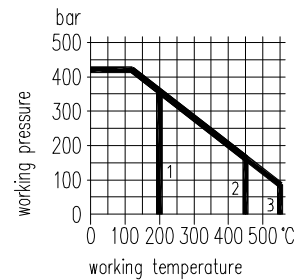
Type 1



Type 2



- 1 PTFE packing
- 2 graphite packing - 1.0460
- 3 graphite packing - 1.4404

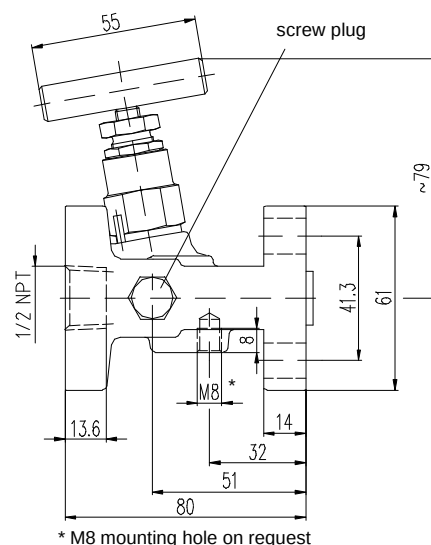
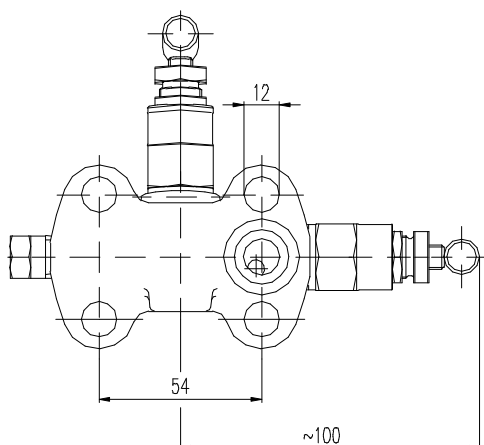


Type	Material	Connections			Part no.
		Inlet	Outlet	Test / Vent	
1	st. st.	1/2 NPT female	1/2 NPT male	1/4 NPT female with screw plug	N354.66.403.05
2	st. st.	1/2 NPT male			N354.60.402.05

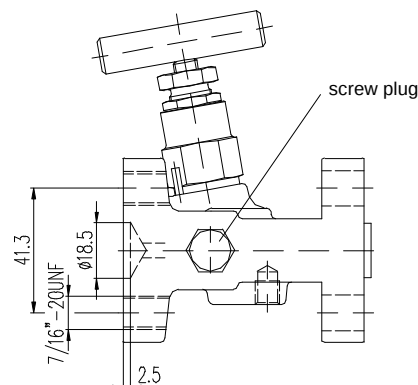
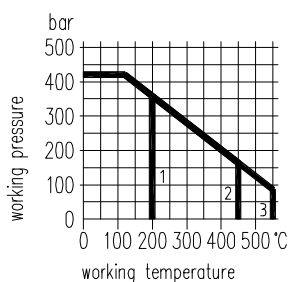
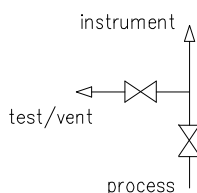
Components	Stainless steel ¹⁾
	DIN - Material Number
Body ²⁾	1.4404 / 316L
Bonnet	1.4401 / 316
Valve stem	1.4404
Needle tip ³⁾	1.4571
Packing	PTFE up to 200°C (graphite up to 550°C)
Gland nut	1.4301
T-handle	stainless steel

- Working pressure up to 700 bar (10.000 psi) on request
- External stem thread
- Stem with cold rolled surface, back seat and non-rotating needle tip
- The valves can be supplied according to NACE-standard
- On request:
 - Anti-tamper facility
 - Panel mounting
 - Extended body on male inlet port
 - Padlocking facility

- 1) Can also be supplied for oxygen service. Please notice order instruction B 3!
- 2) Available with inspection certificate 3.1.B acc. to EN 10 204
- 3) Also available with soft tip in KEL-F® (PCTFE) or Delrin® (POM)



- 1 PTFE packing
- 2 graphite packing - 1.0460
- 3 graphite packing - 1.4404



MOUNTING ACCESSORIES see section 8

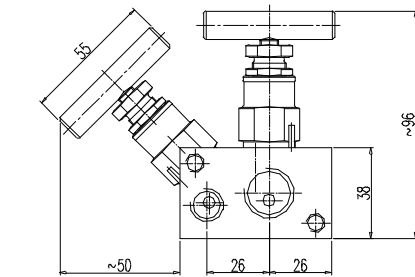
Material	Connections			Part no.
	Inlet	Outlet ⁴⁾	Test / Vent	
steel st. st.	1/2 NPT female	IEC, Type A	1/4 NPT female with screw plug	N542.44.162.01 N542.44.462.01
steel st. st.	turned groove Ø 18,5 acc. to IEC 61518			N542.44.162.02 N542.44.462.02

Components	Steel	Stainless steel ¹⁾
	DIN - Material Number	
Body ²⁾	1.0460	1.4404 / 316L
Bonnet	1.4401 / 316	
Valve stem	1.4404	
Needle tip ³⁾	1.4122 ⁵⁾	1.4571
Packing	PTFE up to 200°C (graphite up to 550°C)	
Gland nut	1.4301	
T-handle	stainless steel	
Screw plug	1.0501	1.4404

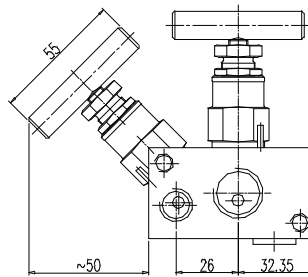
- Body: die-pressed part
- Surface: steel phosphatized
- External stem thread
- Stem with cold rolled surface, back seat and non-rotating needle tip
- Special types are available
- The manifolds can be supplied according to NACE-standard

- 1) Can also be supplied for oxygen service. Please notice order instruction B 3!
- 2) Available with inspection certificate 3.1.B acc. to EN 10 204
- 3) Also available with soft tip in KEL-F® (PCTFE) or Delrin® (POM)
- 4) Dimensions acc. to IEC 61518 / DIN EN 61518 see order instruction B 4
- 5) 1.4122 quenched and tempered

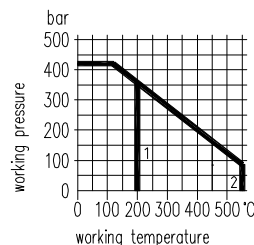
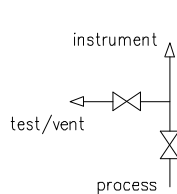
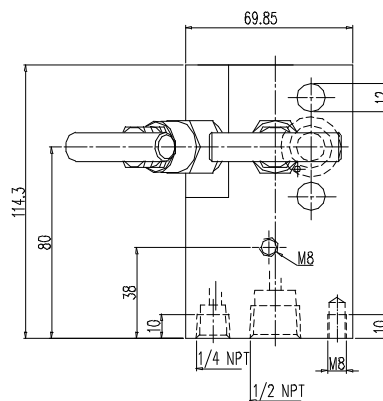
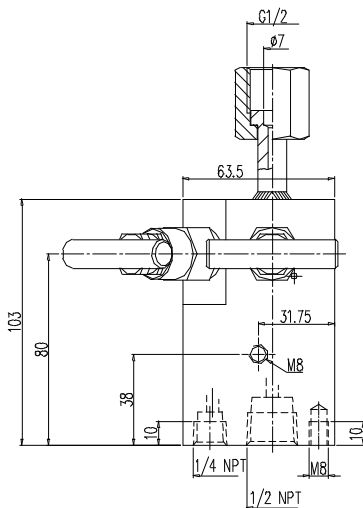
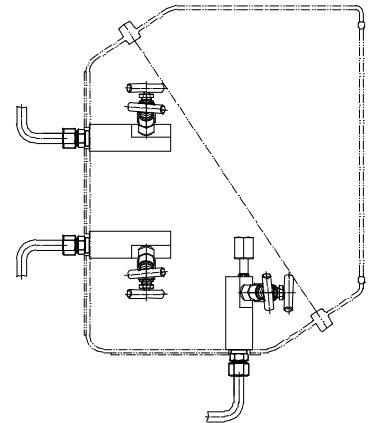
Type 1



Type 2



The EDM series manifolds allow direct mounting to a baseplate or a backplate of the enclosures.



- 1 PTFE packing
 2 graphite packing

Accessory kits

Hexagon head cap screw	
acc. to ANSI B 18.2.1 property class 8.8	property class 8.8
P: S006.38.134.03 V2: S006.58.134.03	P: S006.37.134.02 V2: S006.57.134.02
2 screws 7/16-20 UNF x 2"	2 screws M 10 x 50
1 sealing ring made of PTFE or Viton®	1 sealing ring made of PTFE or Viton®

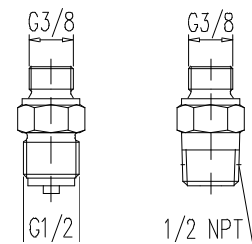
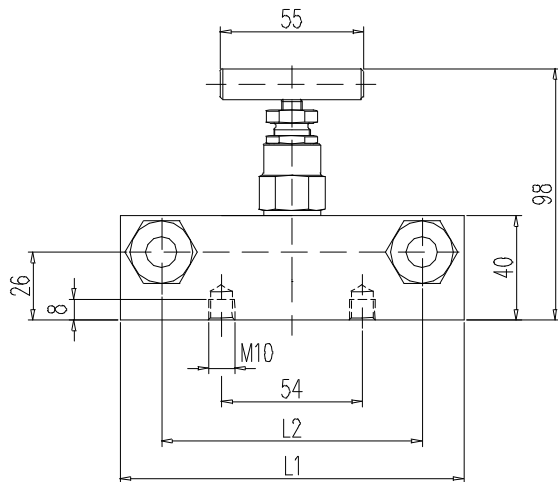
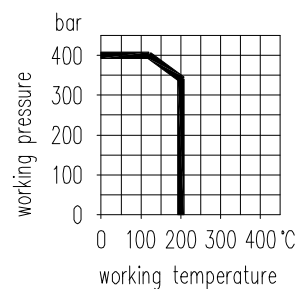
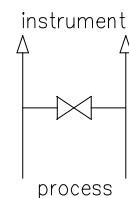
MOUNTING ACCESSORIES see section 8 and 10

Type	Material	Connections		Test / Vent	Part no.
		Inlet	Outlet		
1	st. st.	1/2 NPT female	swivel nut G 1/2	1/4 NPT female	N342.44.472.11
2	st. st.	1/2 NPT female	IEC, Type A ⁴⁾		N542.44.472.01

Components	Stainless steel ¹⁾
	DIN - Material Number
Body ²⁾	1.4404 / 316L
Bonnet	1.4401 / 316
Valve stem	1.4404
Needle tip ³⁾	1.4571
Packing	PTFE up to 200°C (graphite up to 550°C)
Gland nut	1.4301
T-handle	stainless steel

- External stem thread
- Stem with cold rolled surface, back seat and non-rotating needle tip
- Special types are available
- The manifolds can be supplied according to NACE-standard

- 1) Can also be supplied for oxygen service. Please notice order instruction B 3!
- 2) Available with inspection certificate 3.1.B acc. to EN 10 204
- 3) Also available with soft tip in KEL-F® (PCTFE) or Delrin® (POM)
- 4) Dimensions acc. to IEC 61518 / DIN EN 61518 see order instruction B 4


male connector³⁾


Material	Distance		Connections		Part no.
	L 1 [mm]	L 2 [mm]	Inlet	Outlet	
steel st. st.	69	37	tube fitting O. D. 12 mm line S, G 3/8	swivel nut G 1/2	N342.33.141.01 N342.33.241.01
steel st. st.	86	54			N342.33.141.02 N342.33.241.02
steel st. st.	132	100			N342.33.141.03 N342.33.241.03

Components	Steel	Stainless steel ¹⁾
	DIN - Material Number	
Body ²⁾	1.0460	1.4571
Bonnet	1.4401	
Valve stem	1.4404	
Needle tip	1.4122 ⁴⁾	1.4571
Packing	PTFE	
Gland nut	1.4301	
T-handle	stainless steel	

- Surface: steel phosphatized

- External stem thread

- Stem with cold rolled surface, back seat and non-rotating needle tip

- Special types are available

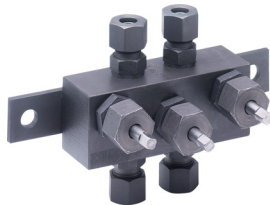
1) Can also be supplied for oxygen service. Please notice order instruction B 3!

2) Available with inspection certificate 3.1.B acc. to EN 10 204

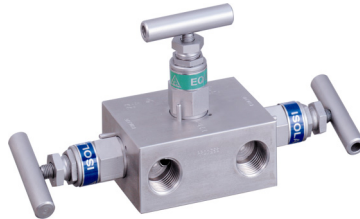
3) The manifolds can be supplied with male connectors G 1/2 or 1/2 NPT instead of tube fittings on the inlet ports.

4) 1.4122 quenched and tempered

3-fach Ventilblöcke / 3 valve manifolds / Manifolds 3 voies



Katalogblatt 2.10
Catalogue page 2.10



Katalogblatt 4.10
Catalogue page 4.10



Katalogblatt 2.20
Catalogue page 2.20



Katalogblatt 2.25
Catalogue page 2.25



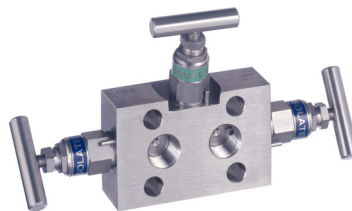
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Catalogue page 2.30



Katalogblatt 2.35
Catalogue page 2.35



Katalogblatt 2.41
Catalogue page 2.41



Katalogblatt 4.20
Catalogue page 4.20



Katalogblatt 4.25
Catalogue page 4.25



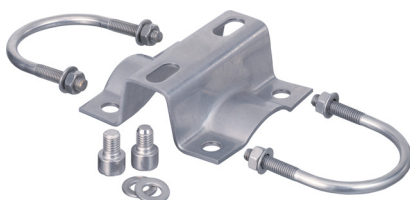
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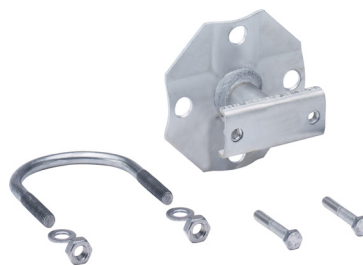
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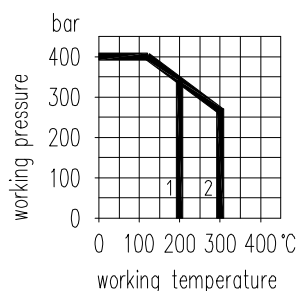
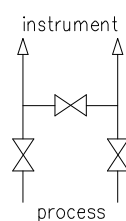
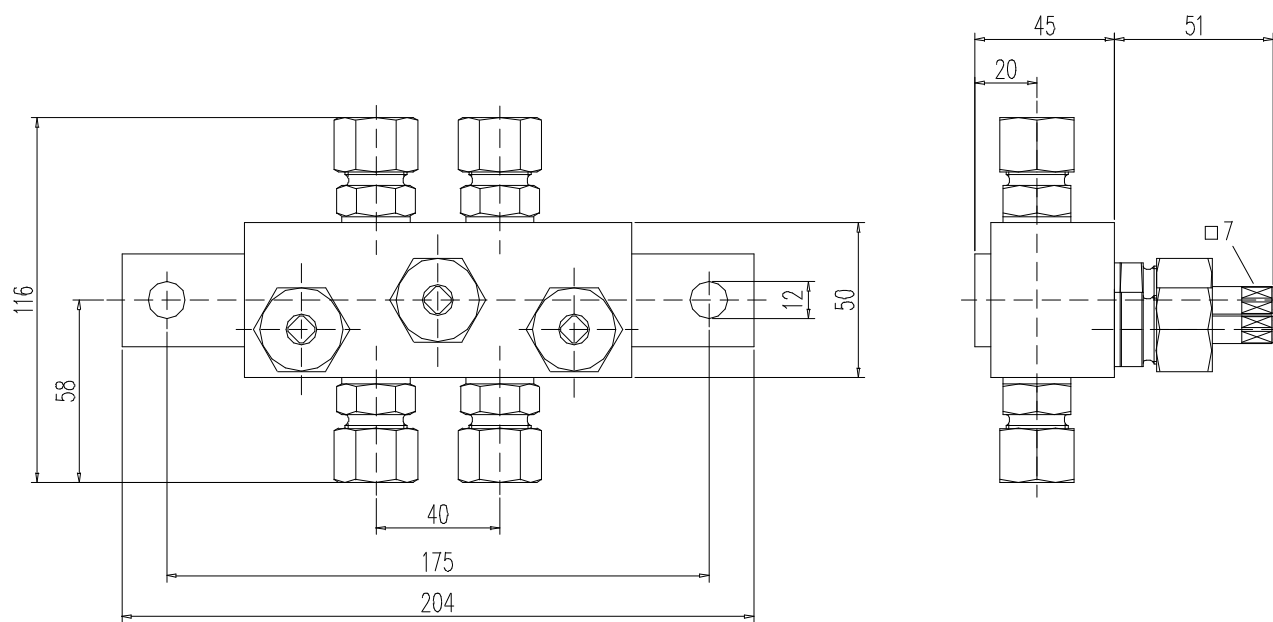
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Katalogblatt 8.06
Catalogue page 8.06



Katalogblatt 8.08
Catalogue page 8.08



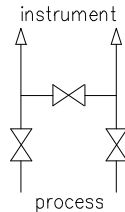
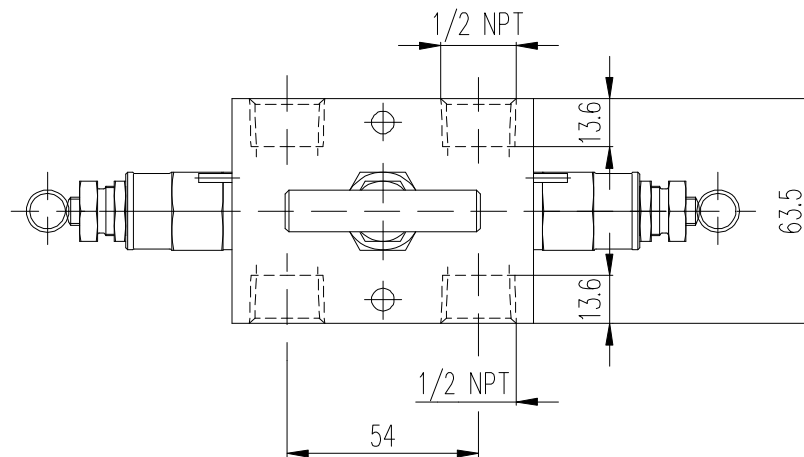
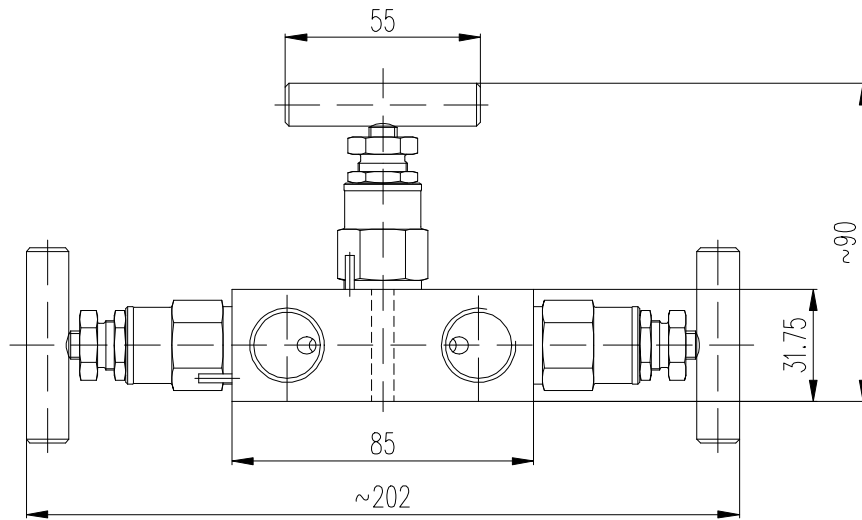
1 PTFE packing
2 graphite packing

Type	Ref. no. DIN 19 209	Connections	Part no.
Material			
steel	1	tube fitting O. D. 12 mm, line S, G 3/8	S341.31.100 S341.31.200
st. st.			

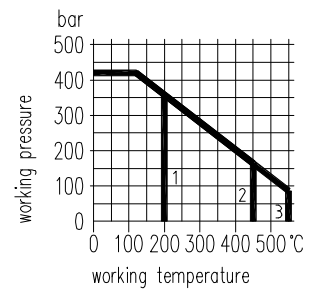
Components	Steel	Stainless steel ¹⁾
	DIN - Material Number	
Body ²⁾	1.0460	1.4571
Bonnet	1.0501	1.4571
Valve seat	1.4571	
Valve stem	1.4104	1.4571
Needle tip	1.4122 ³⁾	1.4571
Packing	graphite	PTFE up to 200°C (graphite up to 300°C)
Union nut	steel	1.4571

- Surface: steel phosphatized
- Internal stem thread
- Replaceable valve seat
- Stem with cold rolled surface, back seat and non-rotating needle tip
- Special types are available
- Accessories: 1 socket wrench

- 1) Can also be supplied for oxygen service. Please notice order instruction B 3!
- 2) Available with inspection certificate 3.1.B acc. to EN 10 204
- 3) 1.4122 quenched and tempered



- 1 PTFE packing
- 2 graphite packing - 1.0460
- 3 graphite packing - 1.4404



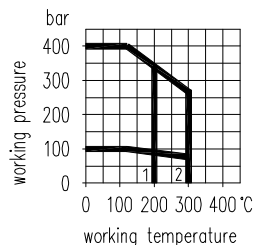
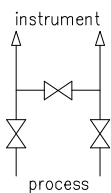
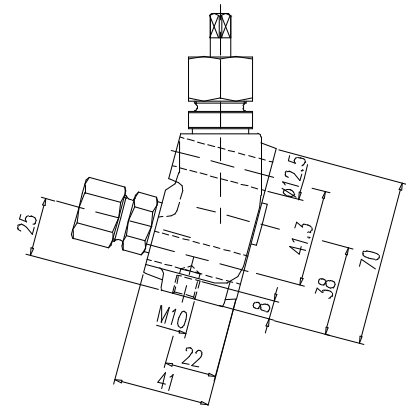
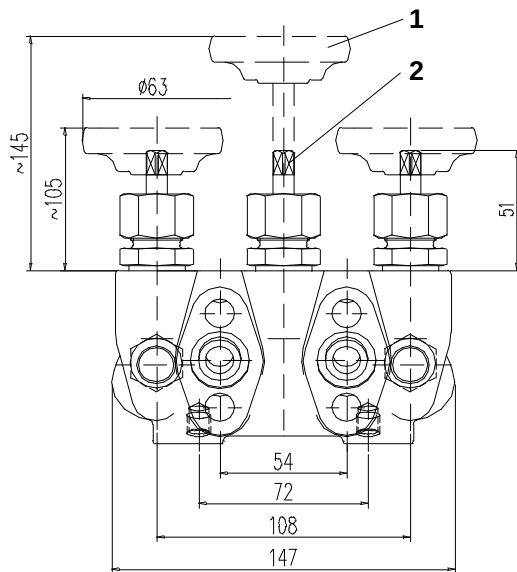
MOUNTING ACCESSORIES see section 8

Material	Characteristics	Inlet and outlet	Part no.
steel st. st.	without mounting holes	1/2 NPT female	N342.41.184.01 N342.41.484.01
steel st. st.	with mounting holes	1/2 NPT female	N342.41.184.02 N342.41.484.02

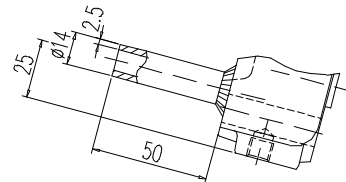
Components	Steel	Stainless steel ¹⁾
	DIN - Material Number	
Body ²⁾	1.0460	1.4404 / 316L
Bonnet	1.4401 / 316	
Valve stem	1.4404	
Needle tip ³⁾	1.4122 ⁴⁾	1.4571
Packing	PTFE up to 200°C (graphite up to 550°C)	
Gland nut	1.4301	
T-handle	stainless steel	

- Surface: steel phosphatized
- External stem thread
- Stem with cold rolled surface, back seat and non-rotating needle tip
- Special types are available
- The manifolds can be supplied according to NACE-standard

- 1) Can also be supplied for oxygen service. Please notice order instruction B 3!
- 2) Available with inspection certificate 3.1.B acc. to EN 10 204
- 3) Also available with soft tip in KEL-F® (PCTFE) or Delrin® (POM)
- 4) 1.4122 quenched and tempered



1 PTFE packing
2 graphite packing



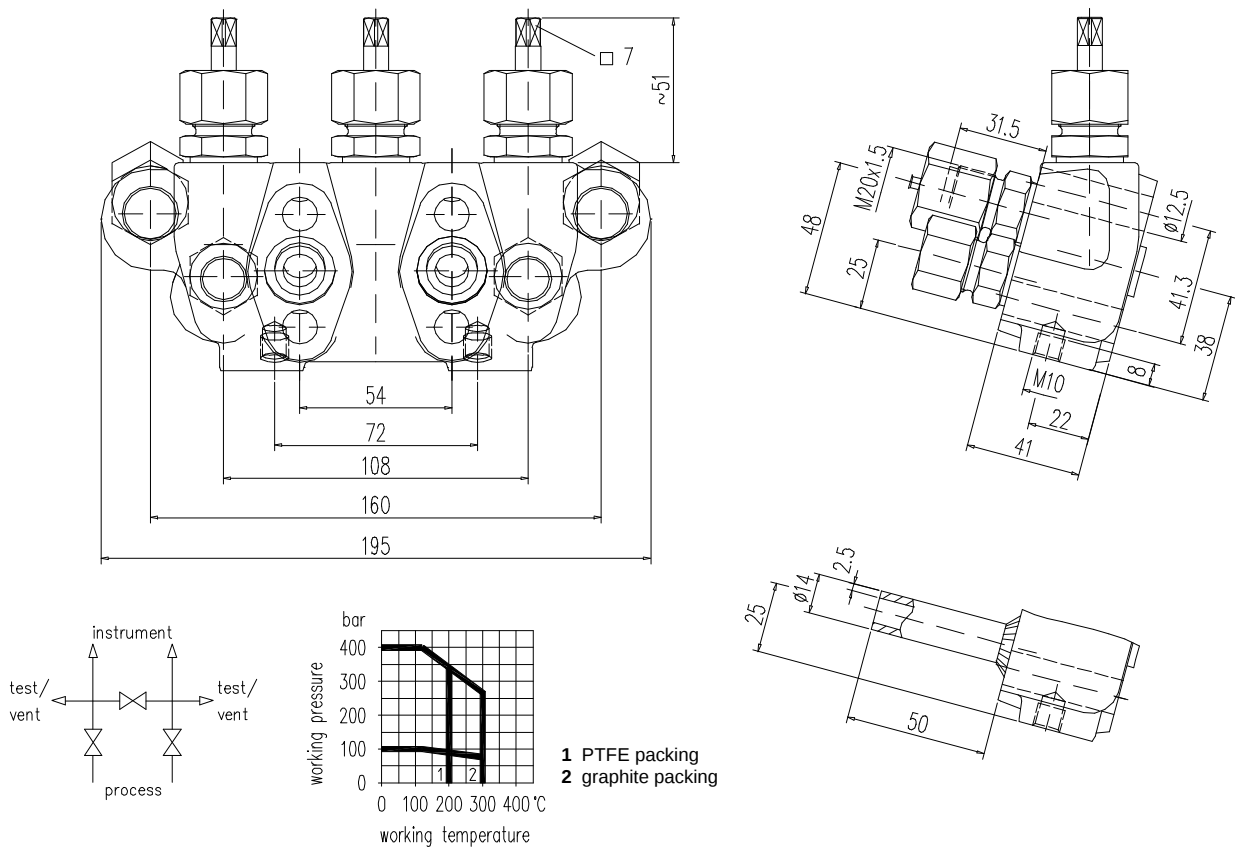
MOUNTING ACCESSORIES see section 8

PN	Type		Connections		Part no.	
	Material	Ref. no. DIN 19 209	Inlet	Outlet ³⁾	Type 1	Type 2
100	steel st. st.	9	tube fitting O. D. 12 mm line L, G 3/8	DIN 19 213 Type B1	S341.36.103 S341.36.203	S341.36.110 S341.36.210
400	steel st. st.	17	tube fitting O. D. 12 mm line S, G 3/8	DIN 19 213 Type B3	S541.36.123 S541.36.223	S541.36.125 S541.36.225
400	steel st. st.	14	weld ends for tube O. D. 14 x 2,5 mm		S541.36.133 S541.36.233	S541.36.135 S541.36.235

Components	Steel	Stainless steel ¹⁾
	DIN - Material Number	
Body ²⁾	1.0460	1.4571
Bonnet	1.0501	1.4571
Valve seat	1.4571	
Valve stem	1.4104	1.4571
Needle tip	1.4122 ⁴⁾	1.4571
Packing	PTFE up to 200°C (graphite up to 300°C)	
Union nut	steel	1.4571
Weld ends	1.5415	1.4571

- **Body:** die-pressed part
- **Surface:** steel phosphatized
- Internal stem thread
- Replaceable valve seat
- Stem with cold rolled surface, back seat and non-rotating needle tip
- Type 1: handwheels made of plastic
Type 2: 1 socket wrench (accessory)
- Special types are available

- 1) Can also be supplied for oxygen service. Please notice order instruction B 3!
- 2) Available with inspection certificate 3.1.B acc. to EN 10 204
- 3) Dimensions acc. to DIN 19 213 see order instruction B 4
- 4) 1.4122 quenched and tempered



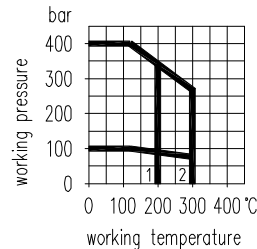
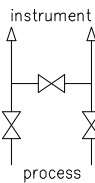
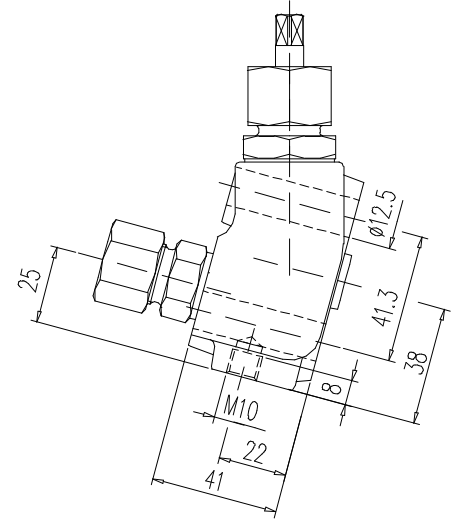
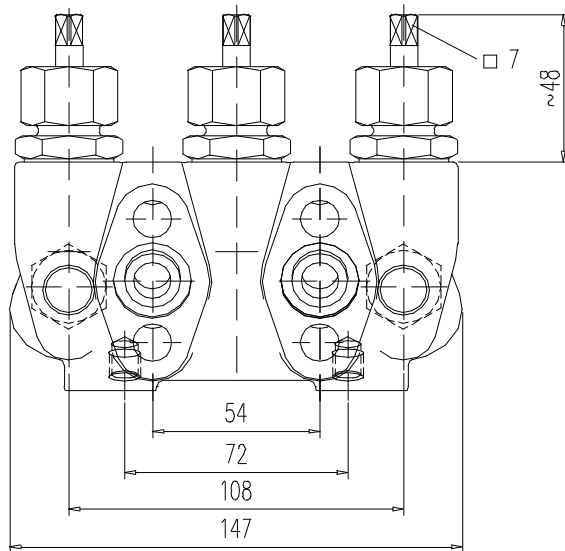
MOUNTING ACCESSORIES see section 8

PN	Type		Connections		Part no.
	Material	Ref. no. DIN 19 209	Inlet	Outlet ³⁾	
100	steel st. st.	9	tube fitting O. D. 12 mm, line L, G 3/8	DIN 19 213 Type B1	N341.35.105.01 N341.35.205.01
400	steel st. st.	17	tube fitting O. D. 12 mm, line S, G 3/8	DIN 19 213 Type B3	N541.35.106.01 N541.35.206.01
400	steel st. st.	14	weld ends for tube O. D. 14 x 2,5 mm		N541.35.135.01 N541.35.235.01

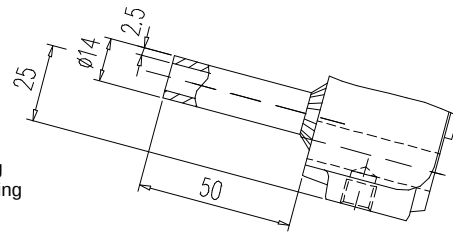
Components	Steel	Stainless steel ¹⁾
	DIN - Material Number	
Body ²⁾	1.0460	1.4571
Bonnet	1.0501	1.4571
Valve seat	1.4571	
Valve stem	1.4104	1.4571
Needle tip	1.4122 ⁴⁾	1.4571
Packing	PTFE up to 200°C (graphite up to 300°C)	
Union nut	steel	1.4571
Weld ends	1.5415	1.4571
Test connection	steel	1.4571
Protecting cap	steel	1.4571

- **Body:** die-pressed part
- **Surface:** steel phosphatized
- Internal stem thread
- Replaceable valve seat
- Stem with cold rolled surface, back seat and non-rotating needle tip
- Special types are available
- **Accessories:** 1 socket wrench

- 1) Can also be supplied for oxygen service. Please notice order instruction B 3!
- 2) Available with inspection certificate 3.1.B acc. to EN 10 204
- 3) Dimensions acc. to DIN 19 213 see order instruction B 4
- 4) 1.4122 quenched and tempered



- 1 PTFE packing
2 graphite packing



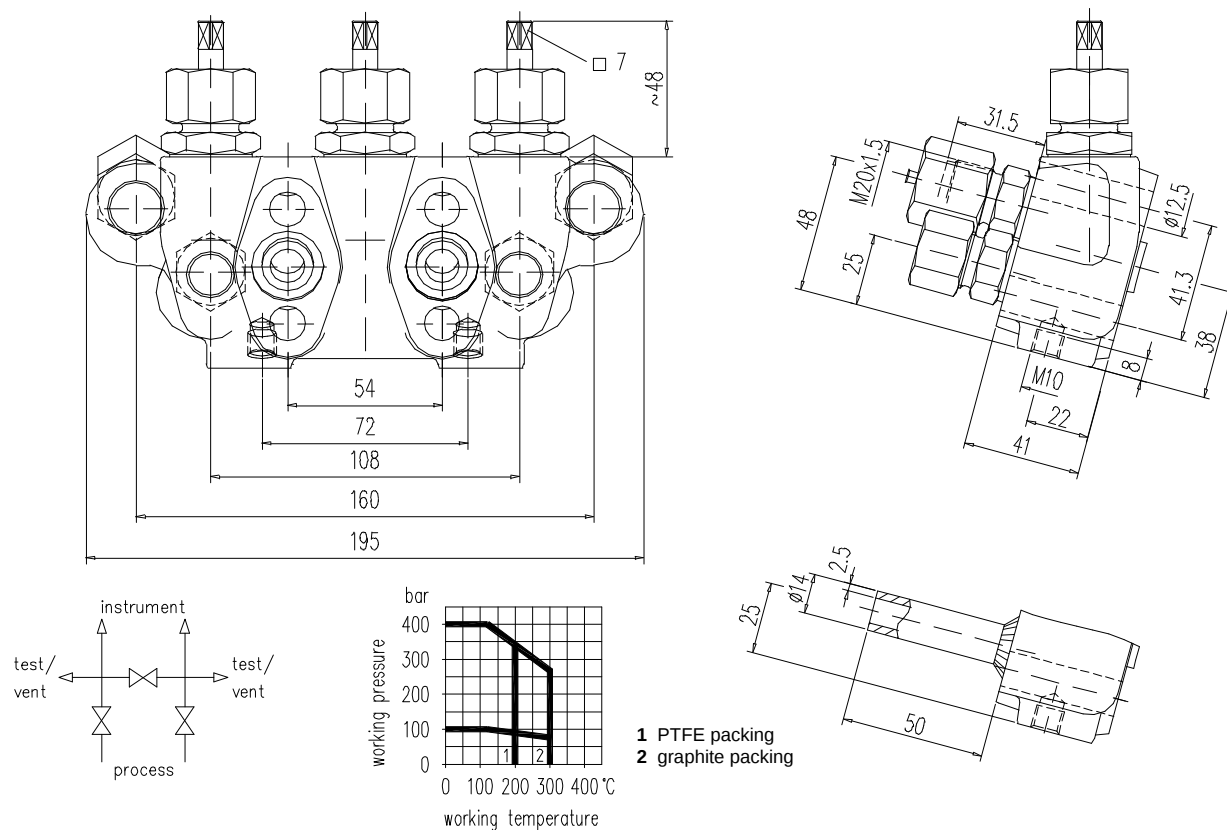
MOUNTING ACCESSORIES see section 8

PN	Type		Connections		Part no.
	Material	Ref. no. DIN 19 209	Inlet	Outlet ³⁾	
100	steel st. st.	9	tube fitting O. D. 12 mm, line L, G 3/8	DIN 19 213 Type B1	N341.86.105.01 N341.86.205.01
400	steel st. st.	17	tube fitting O. D. 12 mm, line S, G 3/8	DIN 19 213 Type B3	N541.86.106.01 N541.86.206.01
400	steel st. st.	14	weld ends for tube O. D. 14 x 2,5 mm		N541.86.135.01 N541.86.235.01

Components	Steel	Stainless steel ¹⁾
	DIN - Material Number	
Body ²⁾	1.0460	1.4571
Bonnet	1.0501	1.4571
Valve seat	1.4021	1.4571
Valve stem	1.4104	1.4571
Needle tip	1.4122 ⁴⁾	1.4571
Packing	PTFE up to 200°C (graphite up to 300°C)	
Union nut	steel	1.4571
Weld ends	1.5415	1.4571

- **Body:** die-pressed part
- **Surface:** steel phosphatized
- Internal stem thread
- Replaceable valve seat
- Stem with cold rolled surface, back seat and non-rotating needle tip
- Special types are available
- **Accessories:** 1 socket wrench

- 1) Can also be supplied for oxygen service. Please notice order instruction B 3!
2) Available with inspection certificate 3.1.B acc. to EN 10 204
3) Dimensions acc. to DIN 19 213 see order instruction B 4
4) 1.4122 quenched and tempered



MOUNTING ACCESSORIES see section 8

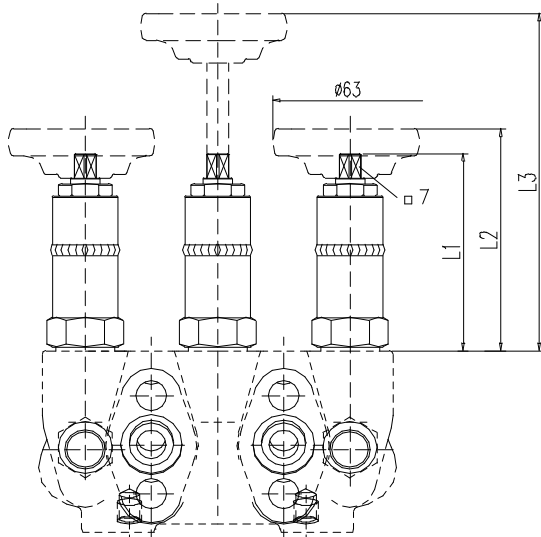
PN	Type		Connections		Part no.
	Material	Ref. no. DIN 19 209	Inlet	Outlet ³⁾	
100	steel st. st.	9	tube fitting O. D. 12 mm, line L, G 3/8	DIN 19 213 Type B1	N341.85.105.01 N341.85.205.01
400	steel st. st.	17	tube fitting O. D. 12 mm, line S, G 3/8	DIN 19 213 Type B3	N541.85.106.01 N541.85.206.01
400	steel st. st.	14	weld ends for tube O. D. 14 x 2,5 mm		N541.85.135.01 N541.85.235.01

Components	Steel	Stainless steel ¹⁾
	DIN - Material Number	
Body ²⁾	1.0460	1.4571
Bonnet	1.0501	1.4571
Valve seat	1.4021	1.4571
Valve stem	1.4104	1.4571
Needle tip	1.4122 ⁴⁾	1.4571
Packing	PTFE up to 200°C (graphite up to 300°C)	
Union nut	steel	1.4571
Weld ends	1.5415	1.4571
Test connection	steel	1.4571
Protecting cap	steel	1.4571

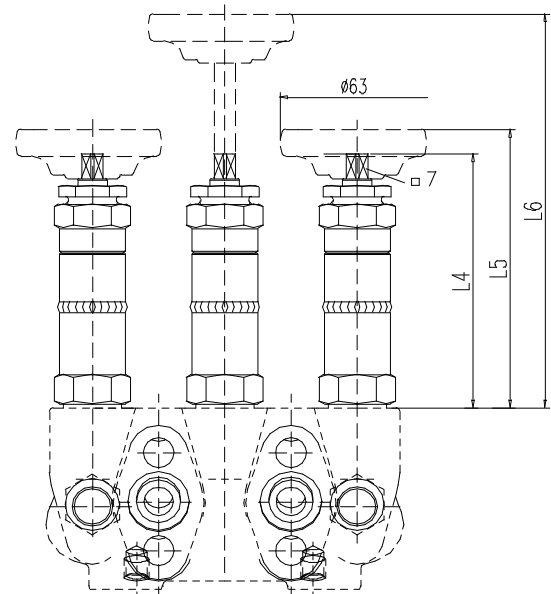
- Body: die-pressed part
- Surface: steel phosphatized
- Internal stem thread
- Replaceable valve seat
- Stem with cold rolled surface, back seat and non-rotating needle tip
- Special types are available
- Accessories: 1 socket wrench

- 1) Can also be supplied for oxygen service. Please notice order instruction B 3!
- 2) Available with inspection certificate 3.1.B acc. to EN 10 204
- 3) Dimensions acc. to DIN 19 213 see order instruction B 4
- 4) 1.4122 quenched and tempered

without safety packing (P1 to P3)

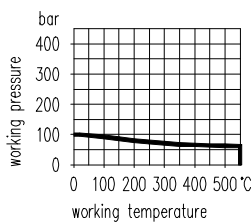


with safety packing (P5 to P7)

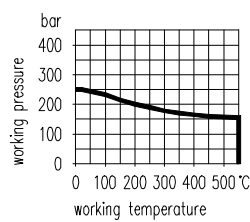


Pressure / temperature ratings based on head unit:

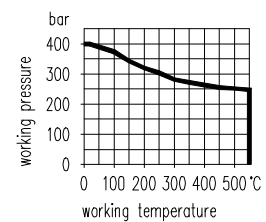
PN 100



PN 250



PN 400



Bellow type	Dimensions [mm]						Code designation for head unit			
	L1	L2	L3	L4	L5	L6	without safety packing	DN 5	DN 8	with safety packing
PN 100	81	93	140	106	116	163	F5 P1	F8 P1	F5 P5	F8 P5
PN 250	111	123	170	136	146	193	F5 P2	F8 P2	F5 P6	F8 P6
PN 400	127	139	186	152	162	209	F5 P3	F8 P3	F5 P7	F8 P7

Head Unit Components	DIN - Material Number
Valve stem	1.4571
Needle tip	Stellite 6
Bellow	1.4571
Bonnet	1.4571
Safety packing	graphite

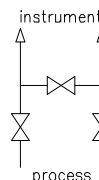
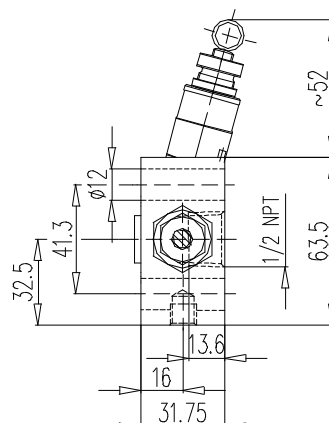
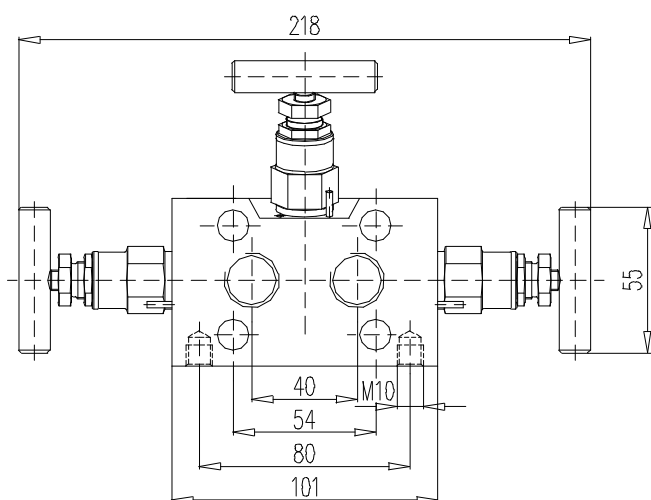
Explanation of the code designation		
Bellow execution	DN	Bellow type
F	e. g. 8	e. g. P3

The letter 'F' replaces the 'S' or 'N' of the standard type numbers and the bellow type is added.

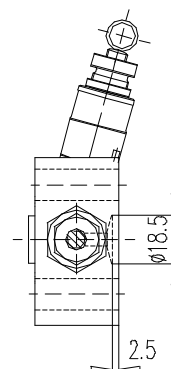
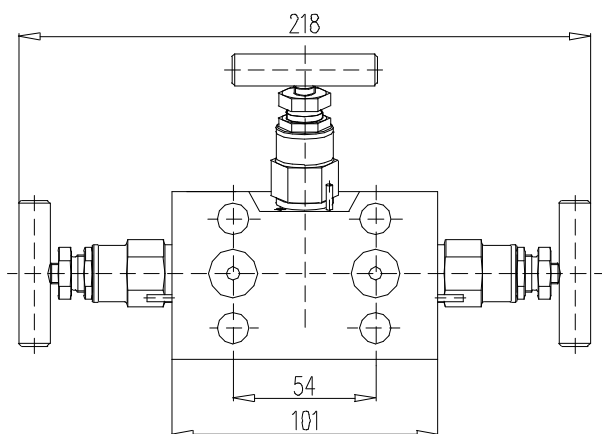
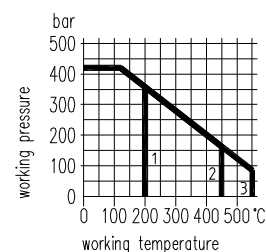
For example: S541.36.223 »»» F541.36.223.00P1
N541.86.106.01 »»» F541.86.106.01P2

Manifolds for oxygen service on request.

The bellows are submitted to a 100% Helium leak test.
Leak rate: 10⁻⁷ mbar l/s.



- 1 PTFE packing
- 2 graphite packing - 1.0460
- 3 graphite packing - 1.4404



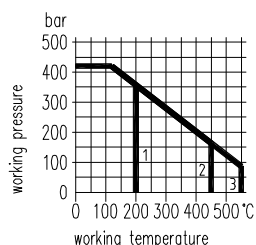
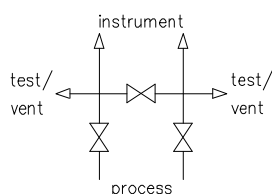
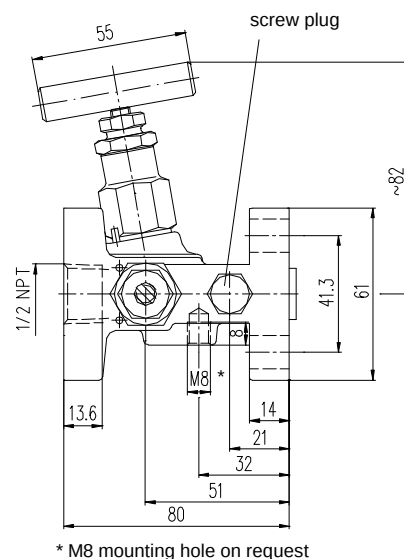
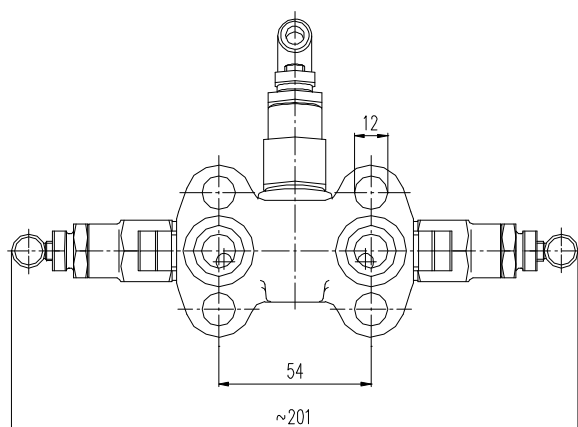
MOUNTING ACCESSORIES see section 8

Material	Connections		Part no.
	Inlet	Outlet ⁴⁾	
steel st. st.	1/2 NPT female	IEC, Type A	N542.39.181.01 N542.39.481.01
steel st. st.	turned groove Ø 18,5 acc. to IEC 61518		N542.39.191.01 N542.39.491.01

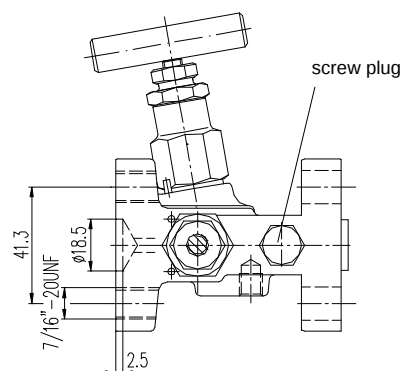
Components	Steel	Stainless steel ¹⁾
	DIN - Material Number	
Body ²⁾	1.0460	1.4404 / 316L
Bonnet	1.4401 / 316	
Valve stem	1.4404	
Needle tip ³⁾	1.4122 ⁵⁾	1.4571
Packing	PTFE up to 200°C (graphite up to 550°C)	
Gland nut	1.4301	
T-handle	stainless steel	

- Surface: steel phosphatized
- External stem thread
- Stem with cold rolled surface, back seat and non-rotating needle tip
- Special types are available
- The manifolds can be supplied according to NACE-standard

- 1) Can also be supplied for oxygen service. Please notice order instruction B 3!
- 2) Available with inspection certificate 3.1.B acc. to EN 10 204
- 3) Also available with soft tip in KEL-F® (PCTFE) or Delrin® (POM)
- 4) Dimensions acc. to IEC 61518 / DIN EN 61518 see order instruction B 4
- 5) 1.4122 quenched and tempered



- 1 PTFE packing
- 2 graphite packing - 1.0460
- 3 graphite packing - 1.4404



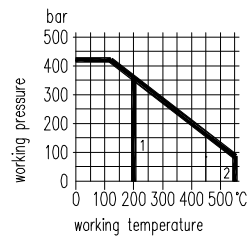
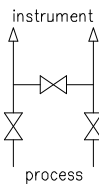
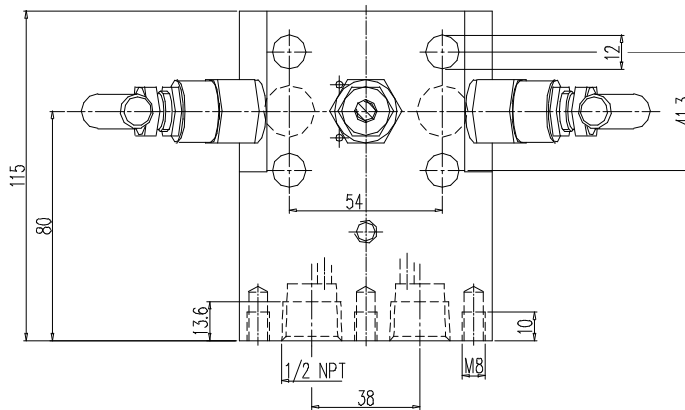
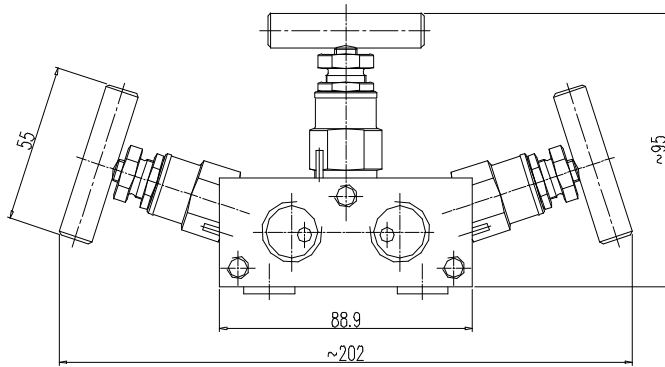
MOUNTING ACCESSORIES see section 8

Material	Connections			Part no.
	Inlet	Outlet ⁴⁾	Test / Vent	
steel st. st.	1/2 NPT female	IEC, Type A	1/4 NPT female with screw plug	N542.46.180.01 N542.46.480.01
steel st. st.			-	N542.46.181.01 N542.46.481.01
steel st. st.	turned groove Ø 18,5 acc. to IEC 61518		1/4 NPT female with screw plug	N542.46.190.01 N542.46.490.01
steel st. st.			-	N542.46.191.01 N542.46.491.01

Components	Steel	Stainless steel ¹⁾
	DIN - Material Number	
Body ²⁾	1.0460	1.4404 / 316L
Bonnet	1.4401 / 316	
Valve stem	1.4404	
Needle tip ³⁾	1.4122 ⁵⁾	1.4571
Packing	PTFE up to 200°C (graphite up to 550°C)	
Gland nut	1.4301	
T-handle	stainless steel	

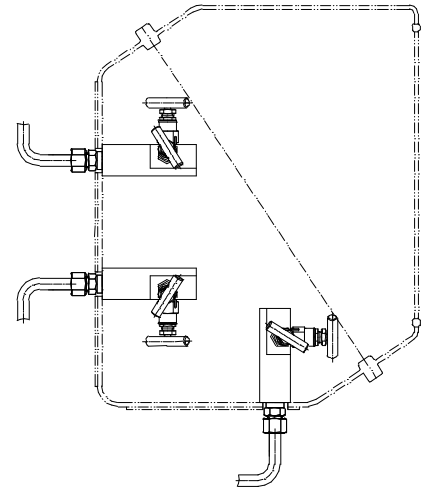
- Body: die-pressed part
- Surface: steel phosphatized
- External stem thread
- Stem with cold rolled surface, back seat and non-rotating needle tip
- Special types are available
- The manifolds can be supplied according to NACE-standard

- 1) Can also be supplied for oxygen service. Please notice order instruction B 3!
- 2) Available with inspection certificate 3.1.B acc. to EN 10 204
- 3) Also available with soft tip in KEL-F® (PCTFE) or Delrin® (POM)
- 4) Dimensions acc. to IEC 61518 / DIN EN 61518 see order instruction B 4
- 5) 1.4122 quenched and tempered



- 1 PTFE packing
2 graphite packing

The EDM series manifolds allow direct mounting to a baseplate or a backplate of the enclosures.



Accessory kits

Hexagon head cap screw

acc. to ANSI B 18.2.1
property class 8.8

property class 8.8

P: S006.38.136.03
V2: S006.58.136.03

P: S006.37.136.04
V2: S006.57.136.04

4 screws 7/16-20 UNF x 2"
2 sealing rings made of
PTFE or Viton®

4 screws M 10 x 50
2 sealing rings made of
PTFE or Viton®

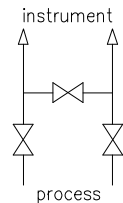
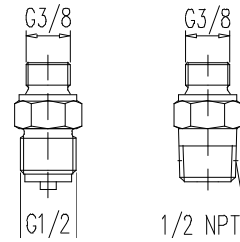
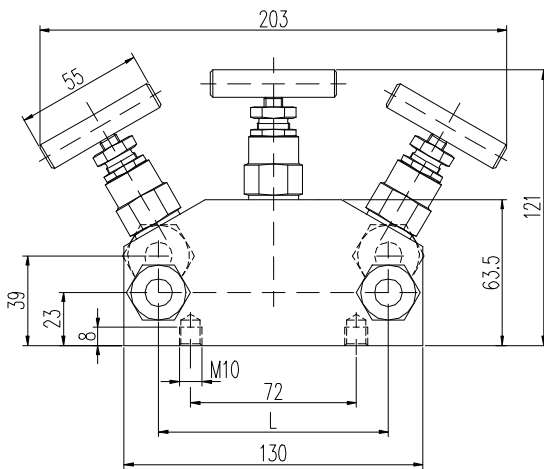
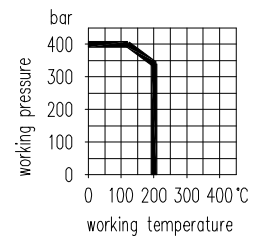
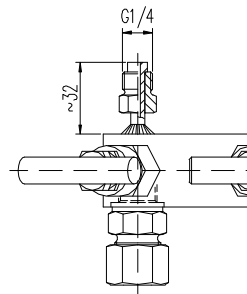
MOUNTING ACCESSORIES see section 8

Material	Connections		Part no.
	Inlet	Outlet ⁴⁾	
st. st.	1/2 NPT female	IEC, Type A	N542.39.472.01

Components	Stainless steel ¹⁾
	DIN - Material Number
Body ²⁾	1.4404 / 316L
Bonnet	1.4401 / 316
Valve stem	1.4404
Needle tip ³⁾	1.4571
Packing	PTFE up to 200°C (graphite up to 550°C)
Gland nut	1.4301
T-handle	stainless steel

- External stem thread
- Stem with cold rolled surface, back seat and non-rotating needle tip
- Special types are available
- The manifolds can be supplied according to NACE-standard

- 1) Can also be supplied for oxygen service. Please notice order instruction B 3!
- 2) Available with inspection certificate 3.1.B acc. to EN 10 204
- 3) Also available with soft tip in KEL-F® (PCTFE) or Delrin® (POM)
- 4) Dimensions acc. to IEC 61518 / DIN EN 61518 see order instruction B 4

alternative male connectors: ³⁾

 alternative
 instrument connection
 swivel male:


Material	Distance L [mm]	Connections		Part no.
		Inlet	Outlet	
steel st. st.	37	tube fitting O. D. 12 mm line S, G 3/8	swivel nut G 1/2	N342.31.141.01 N342.31.241.01
steel st. st.	54			N342.31.141.02 N342.31.241.02
steel st. st.	100			N342.31.141.03 N342.31.241.03

Components	Steel	Stainless steel ¹⁾
	DIN - Material Number	
Body ²⁾	1.0460	1.4404
Bonnet	1.4401	
Valve stem	1.4404	
Needle tip	1.4122 ⁴⁾	1.4571
Packing	PTFE	
Gland nut	1.4301	
T-handle	stainless steel	

 - Surface: steel phosphatized

- External stem thread

 - Stem with cold rolled surface, back seat
 and non-rotating needle tip

- Special types are available

 1) Can also be supplied for oxygen service.
 Please notice order instruction B 3!

 2) Available with inspection certificate 3.1.B
 acc. to EN 10 204

 3) The manifolds can be supplied with male connectors
 G 1/2 or 1/2 NPT instead of tube fittings on the inlet
 ports.

4) 1.4122 quenched and tempered

5-fach Ventilblöcke / 5 valve manifolds / Manifolds 5 voies



Katalogblatt 3.00
Catalogue page 3.00



Katalogblatt 4.40
Catalogue page 4.40



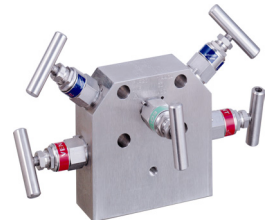
Katalogblatt 3.10
Catalogue page 3.10



Katalogblatt 3.41
Catalogue page 3.41



Katalogblatt 4.42
Catalogue page 4.42



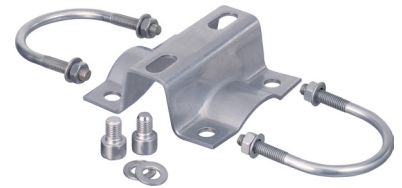
Katalogblatt 4.43
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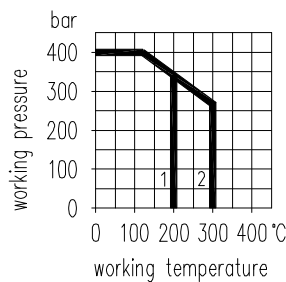
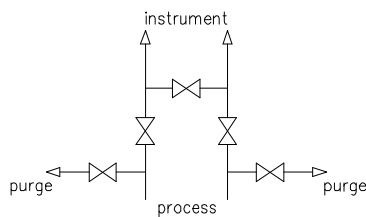
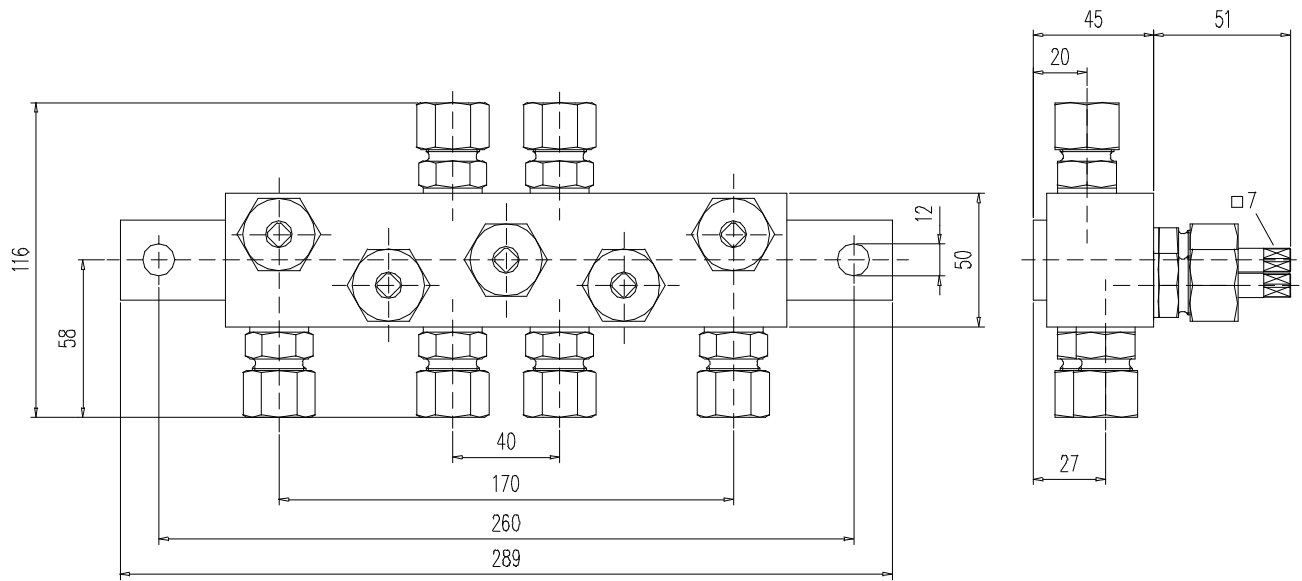
Katalogblatt 3.30
Catalogue page 3.30



Katalogblatt 8.00
Catalogue page 8.00



Katalogblatt 8.06
Catalogue page 8.06



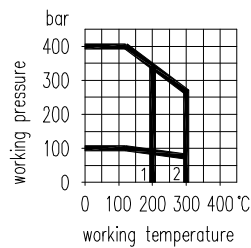
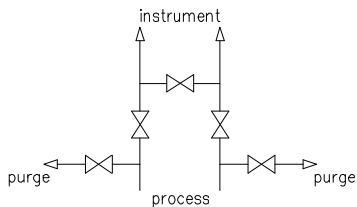
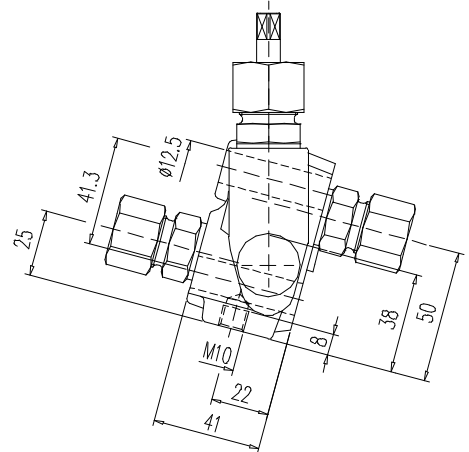
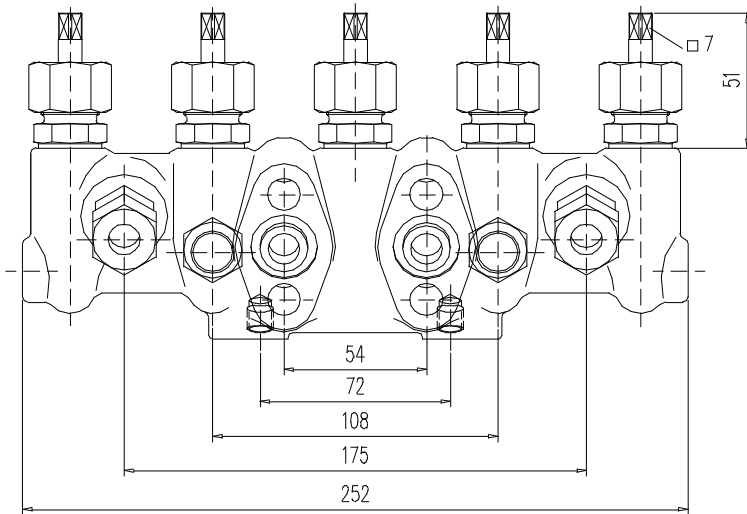
1 PTFE packing
 2 graphite packing

Material	Connections	Part no.
steel st. st.	tube fitting O. D. 12 mm, line S, G 3/8	S341.32.100 S341.32.200

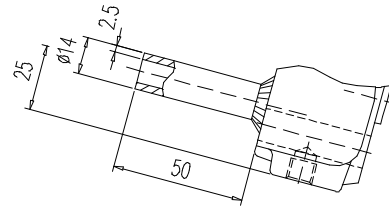
Components	Steel	Stainless steel ¹⁾
	DIN - Material Number	
Body ²⁾	1.0460	1.4571
Bonnet	1.0501	1.4571
Valve seat	1.4571	
Valve stem	1.4104	1.4571
Needle tip	1.4122 ³⁾	1.4571
Packing	graphite	PTFE up to 200°C (graphite up to 300°C)
Union nut	steel	1.4571

- Surface: steel phosphatized
- Internal stem thread
- Replaceable valve seat
- Stem with cold rolled surface, back seat and non-rotating needle tip
- Special types are available
- Accessories: 1 socket wrench

- 1) Can also be supplied for oxygen service. Please notice order instruction B 3!
- 2) Available with inspection certificate 3.1.B acc. to EN 10 204
- 3) 1.4122 quenched and tempered



- 1 PTFE packing
- 2 graphite packing



MOUNTING ACCESSORIES see section 8

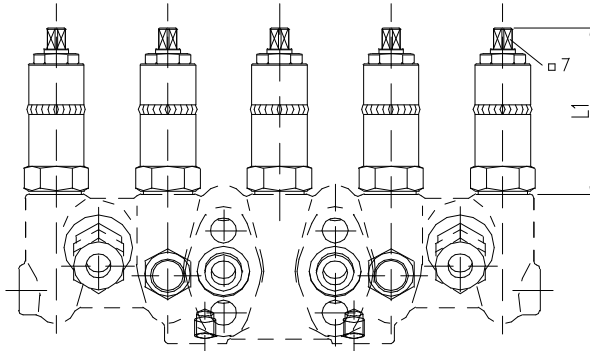
PN	Material	Connections		Part no.
		Inlet / Blow-off	Outlet ³⁾	
100	steel st. st.	tube fitting O. D. 12 mm, line L, G 3/8	DIN 19 213 Type B1	S341.38.110 S341.38.210
400	steel st. st.	tube fitting O. D. 12 mm, line S, G 3/8	DIN 19 213 Type B3	S541.38.125 S541.38.225
400	steel st. st.	weld ends for tube O. D. 14 x 2,5 mm		S541.38.135 S541.38.235

Components	Steel	Stainless steel ¹⁾
	DIN - Material Number	
Body ²⁾	1.0460	1.4571
Bonnet	1.0501	1.4571
Valve seat	1.4571	
Valve stem	1.4104	1.4571
Needle tip	1.4122 ⁴⁾	1.4571
Packing	PTFE up to 200°C (graphite up to 300°C)	
Union nut	steel	1.4571

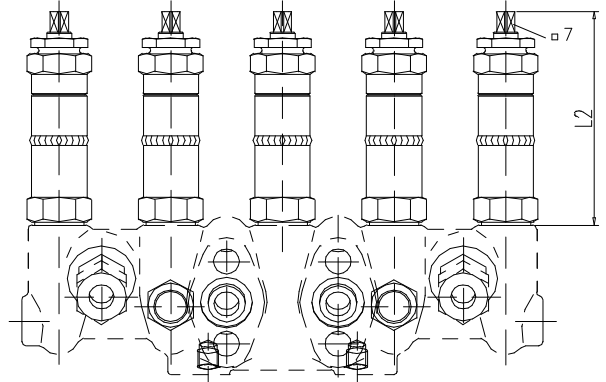
- **Body:** die-pressed part
- **Surface:** steel phosphatized
- Internal stem thread
- Replaceable valve seat
- Stem with cold rolled surface, back seat and non-rotating needle tip
- Special types are available
- **Accessories:** 1 socket wrench

- 1) Can also be supplied for oxygen service. Please notice order instruction B 3!
- 2) Available with inspection certificate 3.1.B acc. to EN 10 204
- 3) Dimensions acc. to DIN 19 213 see order instruction B 4
- 4) 1.4122 quenched and tempered

without safety packing (P1 to P3)

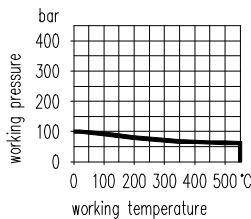


with safety packing (P5 to P7)

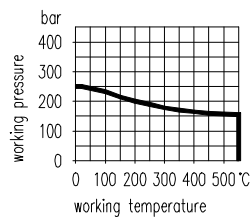


Pressure / temperature ratings based on head unit:

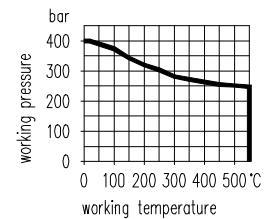
PN 100



PN 250



PN 400



Bellow type	Dimensions [mm]		Code designation for head unit			
	L1	L2	without safety packing		with safety packing	
			DN 5	DN 8	DN 5	DN 8
PN 100	81	104	F5 P1	F8 P1	F5 P5	F8 P5
PN 250	111	134	F5 P2	F8 P2	F5 P6	F8 P6
PN 400	127	150	F5 P3	F8 P3	F5 P7	F8 P7

Head Unit Components	DIN - Material number
Valve stem	1.4571
Needle tip	Stellite 6
Bellow	1.4571
Bonnet	1.4571
Safety packing	graphite

Explanation of the code designations		
Bellow execution	DN	Bellow type
F	e. g. 5	e. g. P6

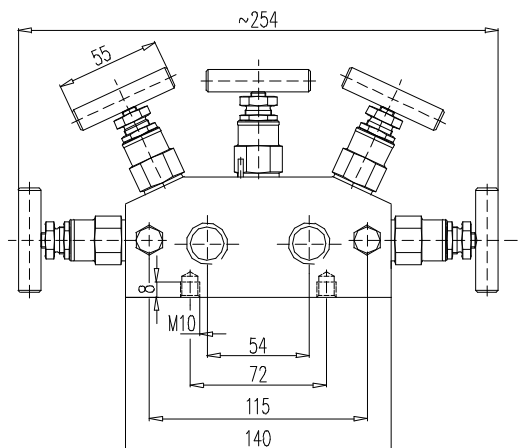
The letter 'F' replaces the 'S' or 'N' of the standard type numbers and the bellow type is added.

For example: S541.38.225 »»» F541.38.225.00P1
N541.37.135.01 »»» F541.37.135.01P3

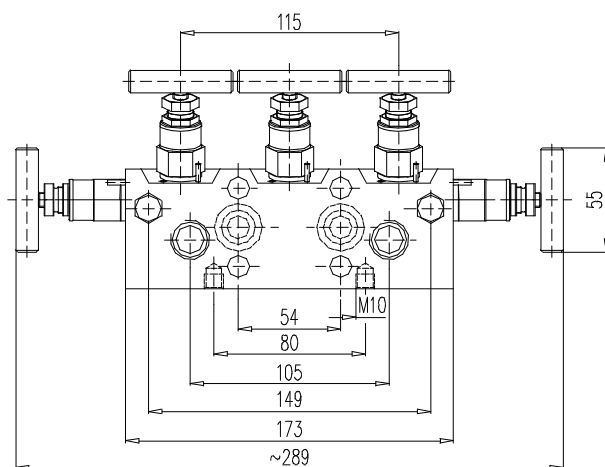
Manifolds for oxygen service on request.

The bellows are submitted to a 100% Helium leak test.
Leak rate: 10^{-7} mbar l/s.

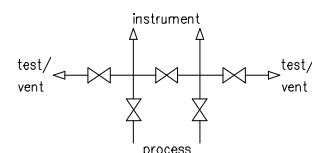
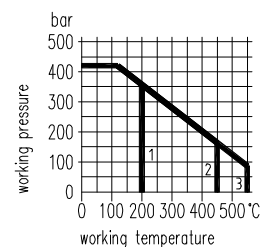
Type 1 (for remote mounting)



Type 2 (for direct mounting)



- 1 PTFE packing
- 2 graphite packing - 1.0460
- 3 graphite packing - 1.4404



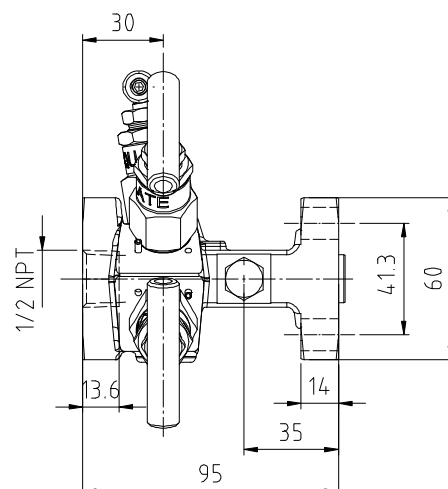
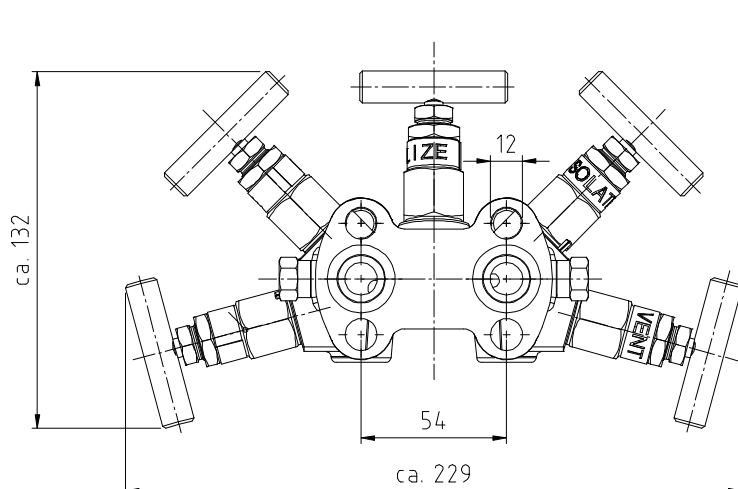
MOUNTING ACCESSORIES see section 8

Type	Material	Connections		Test / Vent	Part no.
1	steel st. st.	1/2 NPT female		1/4 NPT female with screw plug	N342.42.182.01 N342.42.482.01
2	steel st. st.	1/2 NPT female	IEC Type A ⁴⁾		N542.48.180.01 N542.48.480.01

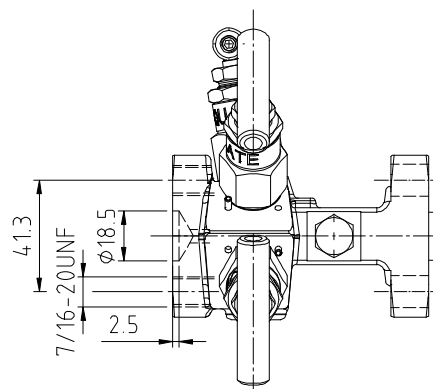
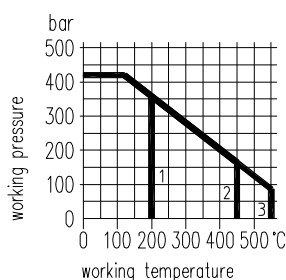
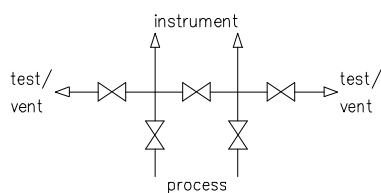
Components	Steel	Stainless steel ¹⁾
	DIN - Material Number	
Body ²⁾	1.0460	1.4404 / 316L
Bonnet	1.4401 / 316	
Valve stem	1.4404	
Needle tip ³⁾	1.4122 ⁵⁾	1.4571
Packing	PTFE up to 200°C (graphite up to 550°C)	
Gland nut	1.4301	
T-handle	stainless steel	
Screw plug	1.0501	1.4404

- Surface: steel phosphatized
- External stem thread
- Stem with cold rolled surface, back seat and non-rotating needle tip
- Special types are available
- The manifolds can be supplied according to NACE-standard

- 1) Can also be supplied for oxygen service. Please notice order instruction B 3!
- 2) Available with inspection certificate 3.1.B acc. to EN 10 204
- 3) Also available with soft tip in KEL-F® (PCTFE) or Delrin® (POM)
- 4) Dimensions acc. to IEC 61518 / DIN EN 61518 see order instruction B 4
- 5) 1.4122 quenched and tempered



- 1 PTFE-packing
2 graphite packing- 1.0460
3 graphite packing- 1.4404



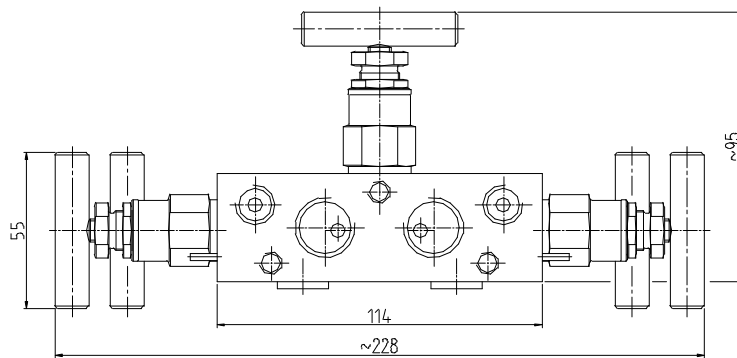
MOUNTING ACCESSORIES see section 8

Material	Connections			Part no.
	Inlet	Outlet ⁴⁾	Test / Vent	
st. st.	1/2 NPT female	IEC, Type A	1/4 NPT female with screw plug	N542.47.480.01
st. st.	turned groove Ø 18,5 acc. to IEC 61518			N542.47.490.01

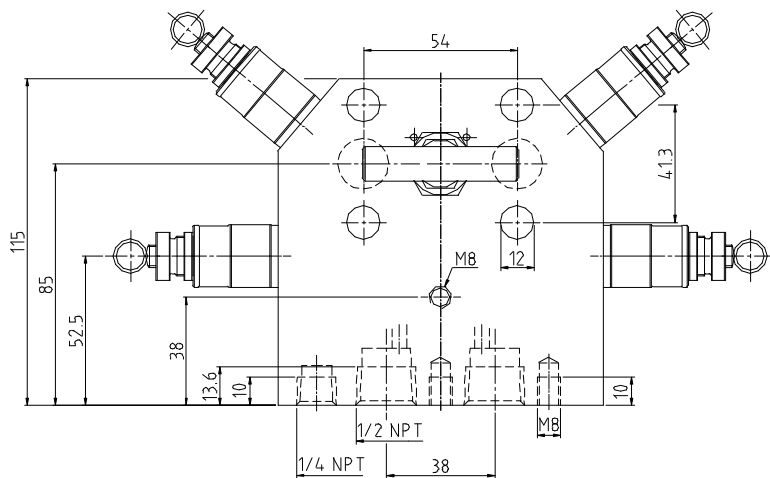
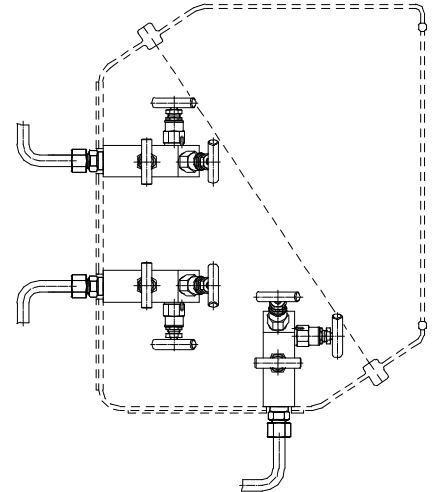
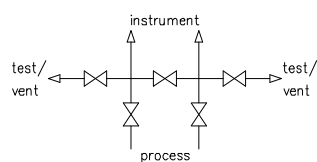
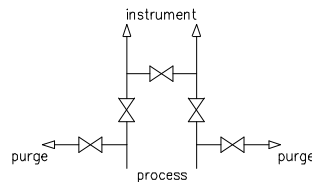
Components	Stainless steel ¹⁾
	DIN - Material Number
Body ²⁾	1.4404 / 316L
Bonnet	1.4401 / 316
Valve stem	1.4404
Needle tip ³⁾	1.4571
Packing	PTFE up to 200°C (graphite up to 550°C)
Gland nut	1.4301
T-handle	stainless steel
Screw plug	1.4404

- **Body:** die-pressed part
- External stem thread
- Stem with cold rolled surface, back seat and non-rotating needle tip
- Special types are available
- The manifolds can be supplied according to NACE-standard

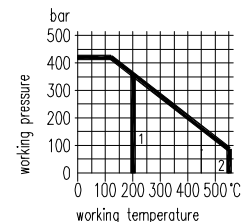
- 1) Can also be supplied for oxygen service. Please notice order instruction B 3!
- 2) Available with inspection certificate 3.1.B acc. to EN 10 204
- 3) Also available with soft tip in KEL-F® (PCTFE) or Delrin® (POM)
- 4) Dimensions acc. to IEC 61518 / DIN EN 61518 see order instruction B 4



The EDM series manifolds allow direct mounting to a baseplate or a backplate of the enclosures.


Flow pattern 1

Flow pattern 2


Accessory kits	
Hexagon head cap screw	
acc. to. ANSI B 18.2.1 property class 8.8	property class 8.8
P: S006.38.136.03 V₂: S006.58.136.03	P: S006.37.136.04 V₂: S006.57.136.04
4 screws 7/16-20 UNF x 2" 2 sealing rings made of PTFE or Viton®	4 screws M 10 x 50 2 sealing rings made of PTFE or Viton®



1 PTFE packing
2 graphite packing

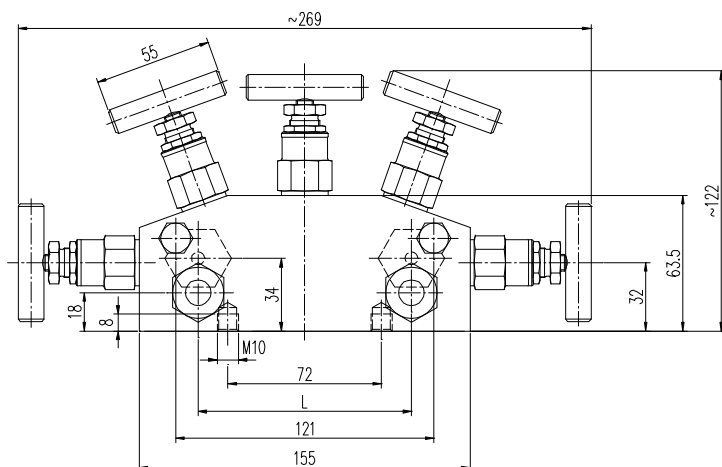
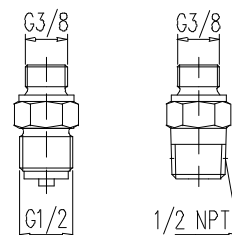
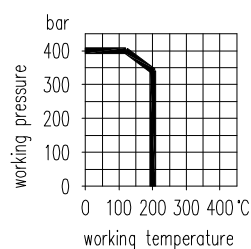
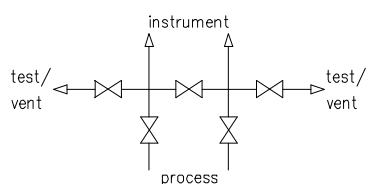
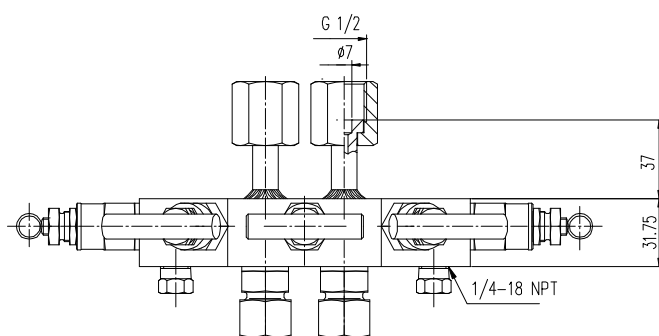
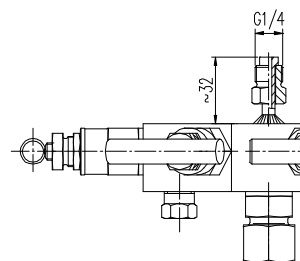
MOUNTING ACCESSORIES see section 8

Material	Schematic	Connections			Part no.
		Inlet	Outlet ⁴⁾	Test / Vent / Purge	
st. st.	1 2	1/2 NPT female	IEC, Type A	1/4 NPT female	N542.48.472.11 N542.48.472.12

Components	Stainless steel ¹⁾
	DIN - Material Number
Body ²⁾	1.4404 / 316L
Bonnet	1.4401 / 316
Valve stem	1.4404
Needle tip ³⁾	1.4571
Packing	PTFE up to 200°C (graphite up to 550°C)
Gland nut	1.4301
T-handle	stainless steel

- External stem thread
- Stem with cold rolled surface, back seat and non-rotating needle tip
- Special types are available
- The manifolds can be supplied according to NACE-standard

- 1) Can also be supplied for oxygen service. Please notice order instruction B 3!
- 2) Available with inspection certificate 3.1.B acc. to EN 10 204
- 3) Also available with soft tip in KEL-F® (PCTFE) or Delrin® (POM)
- 4) Dimensions acc. to IEC 61518 / DIN EN 61518 see order instruction B 4


 alternative male connectors: ³⁾

 alternative
 instrument connection
 swivel male:


Material	Distance L [mm]	Connections			Part no.
		Inlet	Outlet	Test / Vent	
steel st. st.	37	tube fitting O.D. 12 mm, line S, G 3/8	swivel nut G 1/2	1/4 NPT female with screw plug	N342.32.141.01 N342.32.241.01
steel st. st.	54				N342.32.141.02 N342.32.241.02
steel st. st.	100				N342.32.141.03 N342.32.241.03

Components	Steel	Stainless steel ¹⁾
	DIN - Material Number	
Body ²⁾	1.0460	1.4404
Bonnet	1.4401	
Valve stem	1.4404	
Needle tip	1.4122 ⁴⁾	1.4571
Packing	PTFE	
Gland nut	1.4301	
T-handle	stainless steel	

 - Surface: steel phosphatized

- External stem thread

 - Stem with cold rolled surface, back seat
and non-rotating needle tip

- Special types are available

 1) Can also be supplied for oxygen service.
Please notice order instruction B 3!

 2) Available with inspection certificate 3.1.B
acc. to EN 10 204

 3) The manifolds can be supplied with male connectors
G 1/2 or 1/2 NPT instead of tube fittings on the inlet
ports.

4) 1.4122 quenched and tempered

Integrierte Ventilblöcke für Rosemount Meßumformer 3051 / 3095 / 2088
Integral Manifolds for Rosemount Transmitter 3051 / 3095 / 2088
Manifolds Intégrés pour Transmetteurs Rosemount 3051 / 3095 / 2088



Ventilblock-Kombinationen

Manifold combinations

Combinaisons manifold-robinets



Katalogblatt 3.20
Catalogue page 3.20



Katalogblatt 3.21
Catalogue page 3.21



Katalogblatt 3.23
Catalogue page 3.23



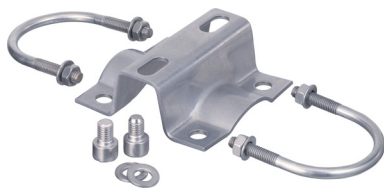
Katalogblatt 3.24
Catalogue page 3.24



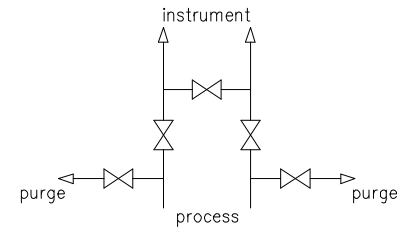
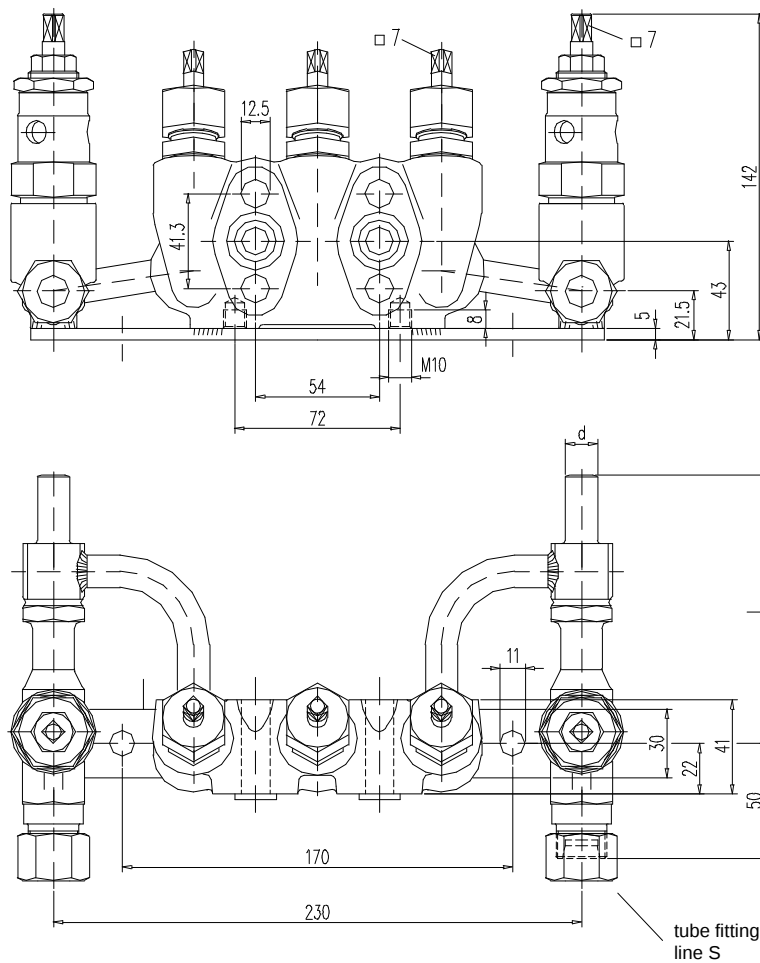
Katalogblatt 3.26
Catalogue page 3.26



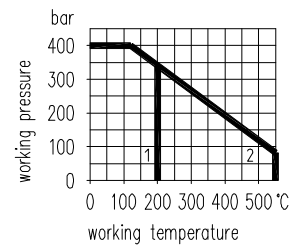
Katalogblatt 8.00
Catalogue page 8.00



Katalogblatt 8.06
Catalogue page 8.06



1 manifold
2 purge valve



MOUNTING ACCESSORIES see section 8

Material	Inlet d	Outlet ²⁾		L [mm]	Part no.
		Manifold	Purge valve		
steel st. st.	butt weld end for tube O. D. 14 x 2,5 mm	DIN 19 213 Type B3	tube fitting O. D. 14 mm	117	N541.37.135.01 N541.37.235.01
steel st. st.			tube fitting O. D. 12 mm		N541.37.135.02 N541.37.235.02
steel st. st.	socket weld end I. D 14,25 for tube O. D. 14 mm		tube fitting O. D. 14 mm	105	N541.37.139.01 N541.37.239.01

Components	Steel type		Stainless steel type	
	Manifold DN 5	Purge valve DN 8	Manifold DN 5	Purge valve DN 8
Body ¹⁾	1.0460	1.5415	1.4571	
Bonnet	1.0501	1.7709	1.4571	
Valve seat	1.4571	1.4021	1.4571	
Valve stem	1.4104	1.4021	1.4571	
Needle tip	1.4122 ³⁾		1.4571	
Packing	PTFE	graphite	PTFE	graphite
Union nut	steel	-	1.4571	-
Gland nut	-	2.0550	-	1.4301

- **Body:** die-pressed part
- **Surface:** steel phosphatized
- Manifold: internal stem thread
Purge valves: external stem thread

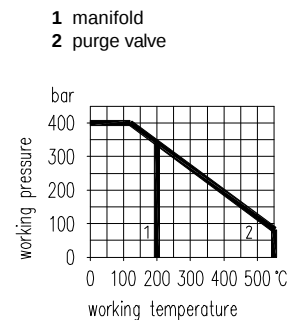
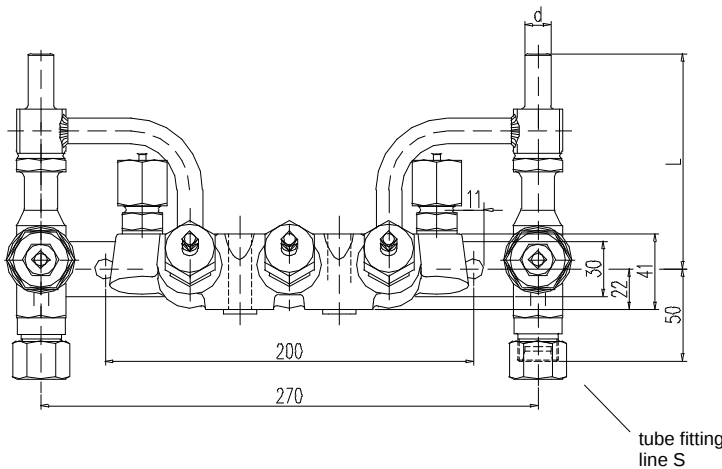
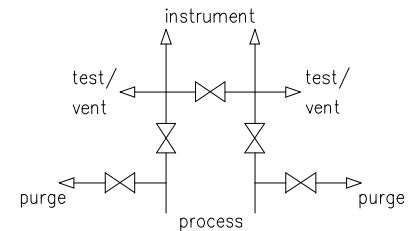
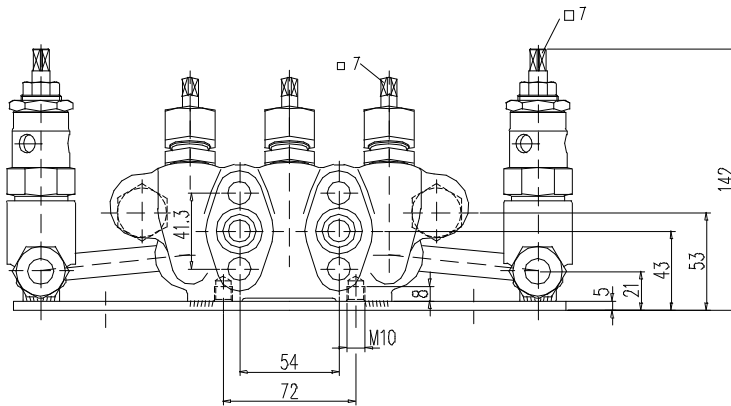
- Replaceable valve seat
- Stem with cold rolled surface, back seat and non-rotating needle tip
- Special types are available

- **Accessories:** 1 socket wrench

1) Available with inspection certificate 3.1.B acc. to EN 10 204; body made of 1.5415 with inspection certificate 3.1.A acc. to EN 10 204

2) Dimensions acc. to DIN 19 213 see order instruction B 4

3) 1.4122 quenched and tempered



MOUNTING ACCESSORIES see section 8

Material	Inlet d	Outlet ²⁾		L [mm]	Part no.
		Manifold	Purge valve		
steel st. st.	butt weld end for tube O. D. 14 x 2,5 mm	DIN 19 213 Type B3	tube fitting O. D. 14 mm	117	N541.37.135.51 N541.37.235.51
steel st. st.			tube fitting O. D. 12 mm		N541.37.135.52 N541.37.235.52
steel st. st.	socket weld end I. D. 14,25 for tube O. D. 14 mm		tube fitting O. D. 14 mm	105	N541.37.139.51 N541.37.239.51

Components	Steel type		Stainless steel type	
	Manifold DN 5	Purge valve DN 8	Manifold DN 5	Purge valve DN 8
Body ¹⁾	1.0460	1.5415	1.4571	
Bonnet	1.0501	1.7709	1.4571	
Valve seat	1.4571	1.4021	1.4571	
Valve stem	1.4104	1.4021	1.4571	
Needle tip	1.4122 ³⁾		1.4571	
Packing	PTFE	graphite	PTFE	graphite
Union nut	steel	-	1.4571	-
Gland nut	-	2.0550	-	1.4301
Test connection	steel	-	1.4571	-

- Body: die-pressed part
- Surface: steel phosphatized
- Manifold: internal stem thread
Purge valves: external stem thread

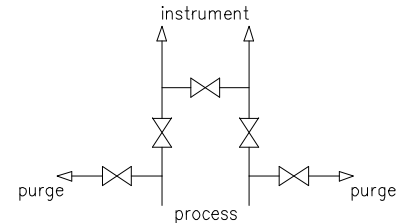
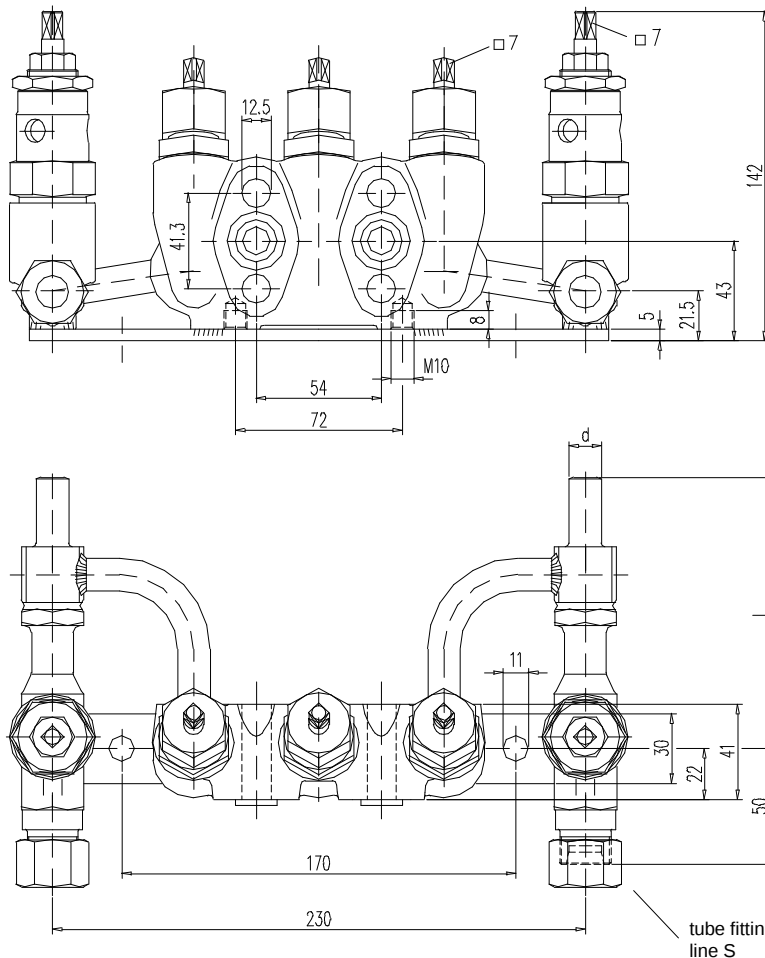
- Replaceable valve seat
- Stem with cold rolled surface, back seat and non-rotating needle tip
- Special types are available

- Accessories: 1 socket wrench

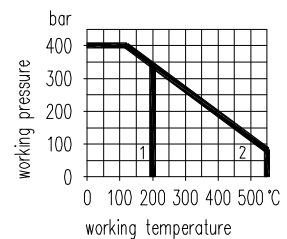
1) Available with inspection certificate 3.1.B acc. to EN 10 204; body made of 1.5415 with inspection certificate 3.1.A acc. to EN 10 204

2) Dimensions acc. to DIN 19 213 see order instruction B 4

3) 1.4122 quenched and tempered



1 manifold
2 purge valve



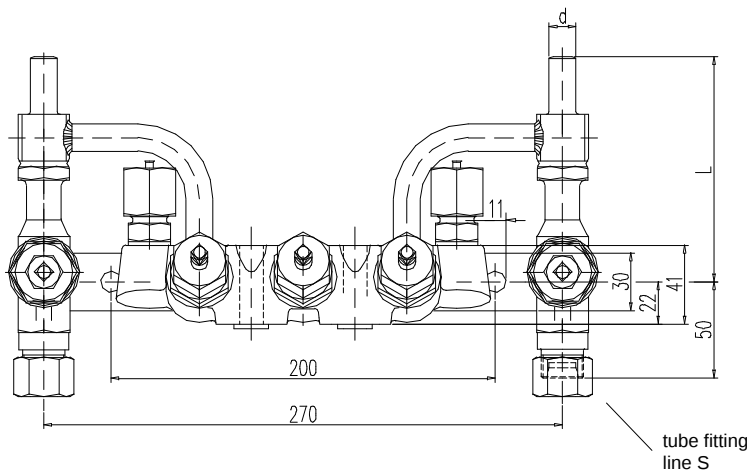
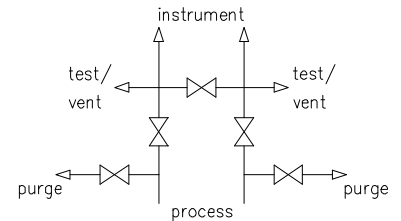
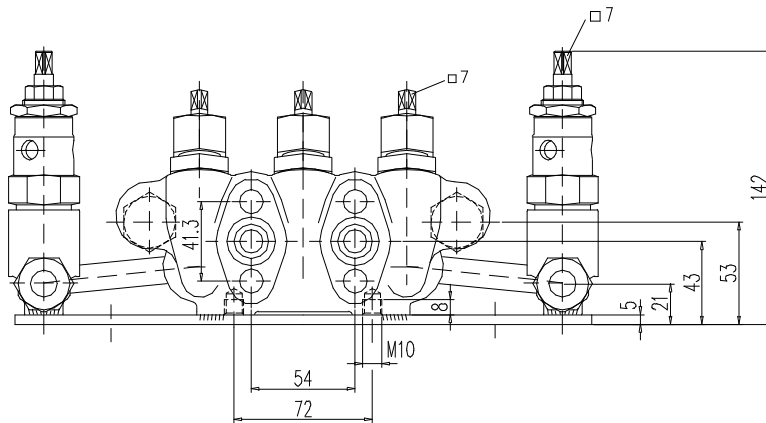
MOUNTING ACCESSORIES see section 8

Material	Inlet d	Outlet ²⁾		L [mm]	Part no.
		Manifold	Purge valve		
steel st. st.	Butt weld end for tube O. D. 14 x 2,5 mm	DIN 19 213 Type B3	tube fitting O. D. 14 mm	117	N541.87.135.01 N541.87.235.01
steel st. st.			tube fitting O. D. 12 mm		N541.87.135.02 N541.87.235.02
steel st. st.	socket weld end I. D. 14,25 for tube O. D. 14 mm		tube fitting O. D. 14 mm	105	N541.87.139.01 N541.87.239.01

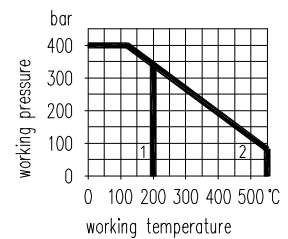
Components	Steel type		Stainless steel type	
	Manifold	Purge valve	Manifold	Purge valve
Body ¹⁾	1.0460	1.5415	1.4571	
Bonnet	1.0501	1.7709	1.4571	
Valve seat	1.4021		1.4571	
Valve stem	1.4104	1.4021	1.4571	
Needle tip	1.4122 ³⁾		1.4571	
Packing	PTFE	graphite	PTFE	graphite
Union nut	steel	-	1.4571	-
Gland nut	-	2.0550	-	1.4301

- **Body:** die-pressed part
- **Surface:** steel phosphatized
- **Manifold:** internal stem thread
Purge valves: external stem thread
- Replaceable valve seat
- Stem with cold rolled surface, back seat and non-rotating needle tip
- Special types are available
- **Accessories:** 1 socket wrench

- 1) Available with inspection certificate 3.1.B acc. to EN 10 204; body made of 1.5415 with inspection certificate 3.1.A acc. to EN 10 204
- 2) Dimensions acc. to DIN 19 213 see order instruction B 4
- 3) 1.4122 quenched and tempered



1 manifold
2 purge valve



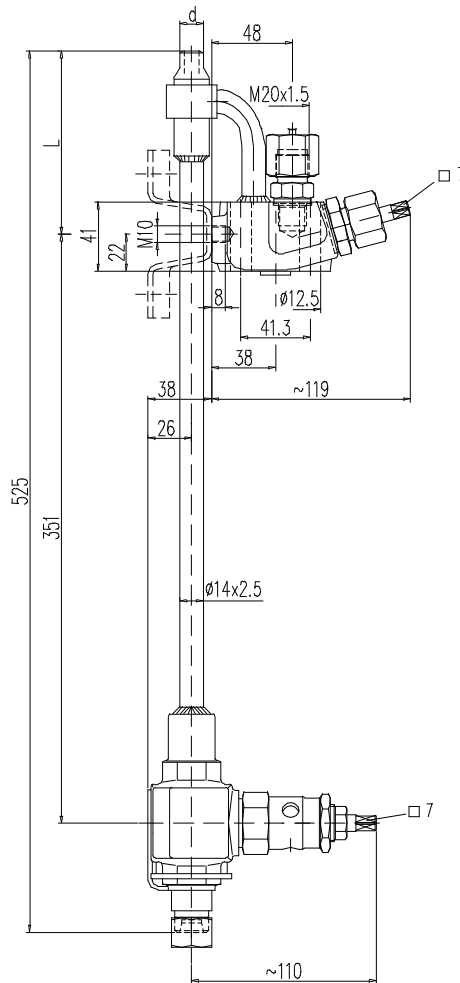
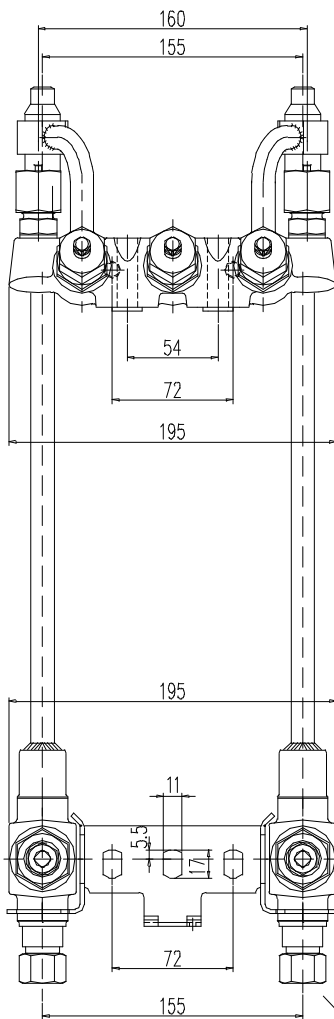
MOUNTING ACCESSORIES see section 8

Material	Inlet d	Outlet ²⁾		L [mm]	Part-No.
		Manifold	Purge valve		
steel st. st.	butt weld end for tube O. D. 14 x 2,5 mm	DIN 19 213 Type B3	tube fitting O. D. 14 mm	117	N541.87.135.51 N541.87.235.51
steel st. st.			tube fitting O. D. 12 mm		N541.87.135.52 N541.87.235.52
steel st. st.	socket weld end I. D. 14,25 for tube O. D. 14 mm		tube fitting O. D. 14 mm	105	N541.87.139.51 N541.87.239.51

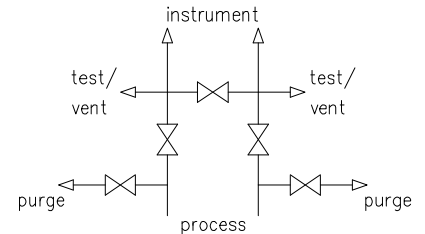
Components	Steel type		Stainless steel type	
	Manifold	Purge valve	Manifold	Purge valve
Body ¹⁾	1.0460	1.5415	1.4571	
Bonnet	1.0501	1.7709	1.4571	
Valve seat	1.4021		1.4571	
Valve stem	1.4104	1.4021	1.4571	
Needle tip	1.4122 ³⁾		1.4571	
Packing	PTFE	graphite	PTFE	graphite
Union nut	steel	-	1.4571	-
Gland nut	-	2.0550	-	1.4301
Test connection	steel	-	1.4571	-

- **Body:** die-pressed part
- **Surface:** steel phosphatized
- **Manifold:** internal stem thread
Purge valves: external stem thread
- Replaceable valve seat
- Stem with cold rolled surface, back seat and non-rotating needle tip
- Special types are available
- **Accessories:** 1 socket wrench

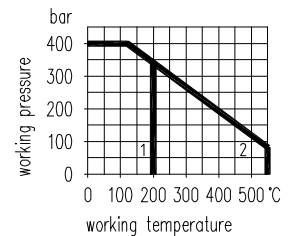
- 1) Available with inspection certificate 3.1.B acc. to EN 10 204; body made of 1.5415 with inspection certificate 3.1.A acc. to EN 10 204
- 2) Dimensions acc. to DIN 19 213 see order instruction B 4
- 3) 1.4122 quenched and tempered



tube fitting
O. D. 14 mm, line S



1 manifold
2 purge valve



MOUNTING ACCESSORIES see section 8

Material	Inlet d	Outlet ²⁾	L [mm]	Part no.
steel st. st.	butt weld end for tube O. D. 14 x 2,5 mm	DIN 19 213 Type B3	109	N541.77.135.51 N541.77.235.51
steel st. st.	socket weld end I. D. 14,25 for tube O. D. 14 mm		99	N541.77.139.51 N541.77.239.51

Components	Steel type		Stainless steel type	
	Manifold	Purge valve	Manifold	Purge valve
Body ¹⁾	1.0460	1.5415	1.4571	
Bonnet	1.0501	1.7709	1.4571	
Valve seat	1.4021		1.4571	
Valve stem	1.4104	1.4021	1.4571	
Needle tip	1.4122 ³⁾		1.4571	
Packing	PTFE	graphite	PTFE	graphite
Union nut	steel	-	1.4571	-
Gland nut	-	2.0550	-	1.4301
Inlet: welding tee	-	1.5415	-	1.4571

- **Body:** die-pressed part
- **Surface:** steel phosphatized
- **Manifold:** internal stem thread
Purge valves: external stem thread
- Replaceable valve seat
- Stem with cold rolled surface, back seat and non-rotating needle tip
- Special types are available
- **Accessories:** 1 socket wrench

1) Available with inspection certificate 3.1.B acc. to EN 10 204; body made of 1.5415 with inspection certificate 3.1.A acc. to EN 10 204

2) Dimensions acc. to DIN 19 213 see order instruction B 4

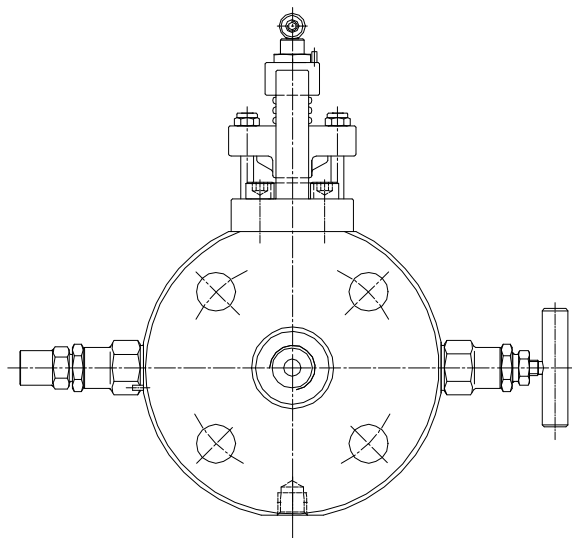
3) 1.4122 quenched and tempered

Monoflansche / Monoflanges / Monobrides



Katalogblatt 4.60
Catalogue page 4.60

Process Monoflange PM series



Model

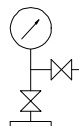
Block S60

- Primary isolation valve
OS&Y bolted bonnet



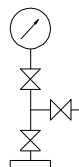
Block & Bleed S61

- Primary isolation valve
OS&Y bolted bonnet
- Bleed valve
needle valve with anti-tamper unit

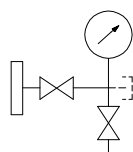


Double Block & Bleed S62

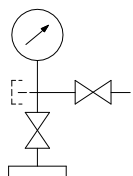
- Primary isolation valve
OS&Y bolted bonnet
- Secondary isolation valve
needle valve
- Bleed valve
needle valve with anti-tamper unit



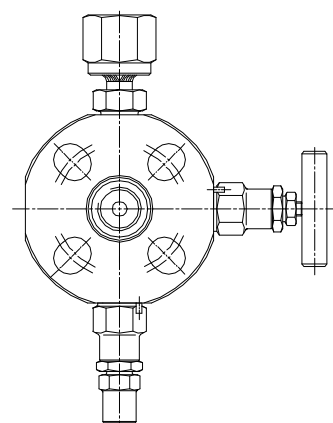
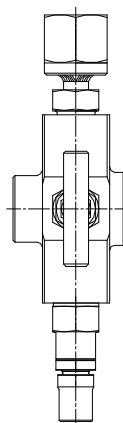
Instrument Monoflange IM series



For vertical flange mounting



For horizontal flange mounting



- Flange connections according to ANSI or DIN
- Material: 1.4404 (316L), 2.4360 (Monel[®] 400), 2.4819 (Hastelloy[®] C-276), special materials on request
- Available with inspection certificate 3.1.B acc. to EN 10 204
- Further details - see brochure "Schneider Monoflange Series"

Umschalthähne / Multi-way cocks / Robinets multivoies



Katalogblatt 5.00
Catalogue page 5.00



Katalogblatt 5.05
Catalogue page 5.05



Katalogblatt 5.10
Catalogue page 5.10



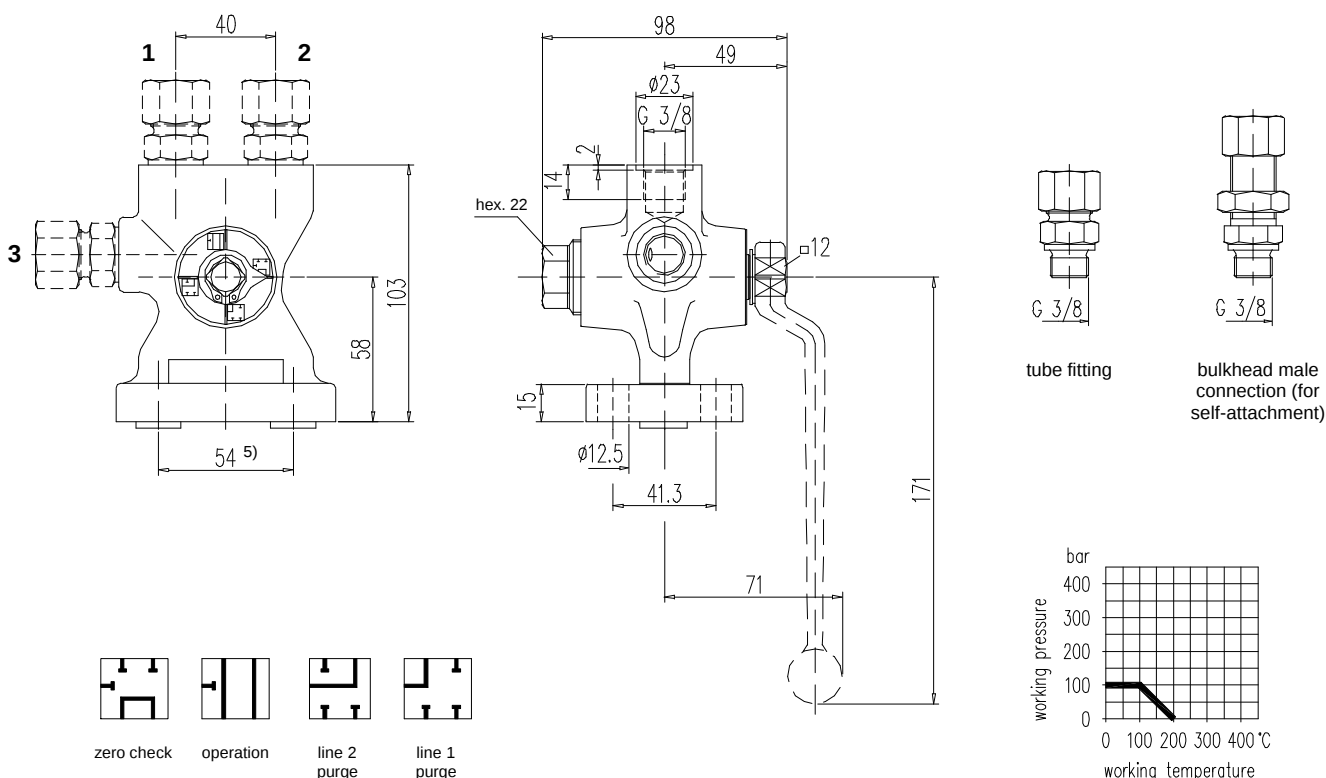
Katalogblatt 5.20
Catalogue page 5.20



Katalogblatt 5.25
Catalogue page 5.25



Katalogblatt 8.06
Catalogue page 8.06



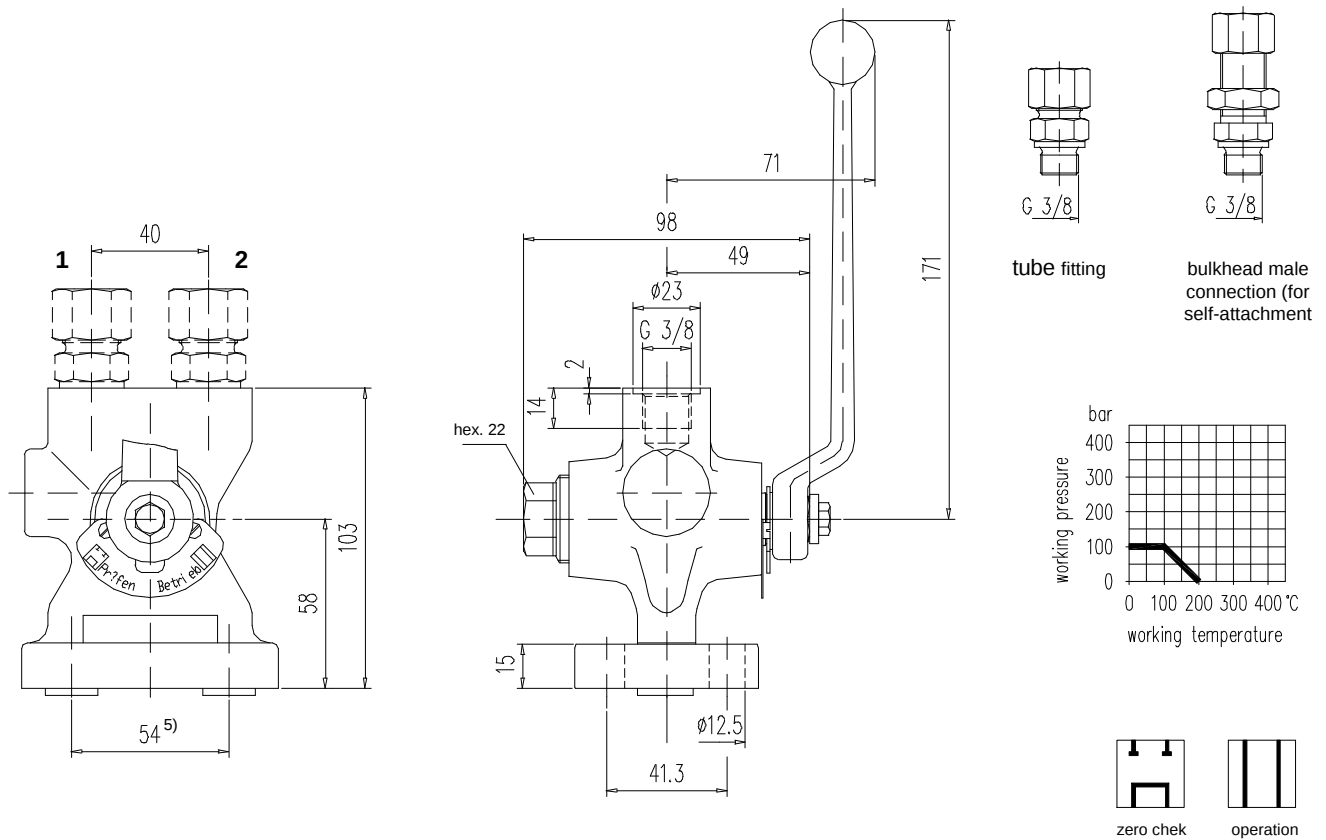
MOUNTING ACCESSORIES see section 8

Material	Connections		Outlet	Part no.
	Inlet 1 - 2	Purge 3		
steel ⁴⁾ st. st. ⁴⁾	G 3/8 female thread according to DIN 3852		DIN 19 213 Type B1	S345.06.100 S345.06.200
steel st. st.	tube fitting O. D. 12 mm, line S			S345.06.101 S345.06.201
steel st. st.	tube fitting O. D. 12 mm, line L			S345.06.101.02 S345.06.201.02
steel st. st.	bulkhead male connection O. D. 12 mm, line S	tube fitting O. D. 12 mm, line S		S345.06.102 S345.06.202
steel st. st.	bulkhead male connection O. D. 12 mm, line L	tube fitting O. D. 12 mm, line L		S345.06.102.02 S345.06.202.02

Components	Steel	Stainless steel ¹⁾
	DIN - Material Number	
Body ²⁾	1.0460	1.4571
Plug	1.4571	
Distance socket	stainless steel	
Indicating dial	1.4301	
Pressure screw	1.0501	1.4571
Insert ring	stainless steel	
Tube fitting and bulkhead male connection	steel	1.4571
Plug seal	PTFE - carbon	

- **Body:** die-pressed part
- **Surface:** steel phosphatized
- **Accessories:** 1 removeable switch lever made of black anodized aluminium
- Special types are available

- 1) Can also be supplied for oxygen service. Please notice order instruction B 3!
max. working pressure 63 bar
max. temperature 60°C
- 2) Available with inspection certificate 3.1.B acc. to EN 10 204
- 3) Dimensions acc. to DIN 19 213 see order instruction B 4
- 4) Type according to DIN 19 209 Ref. No. 11
- 5) Distance 55,6 mm on request



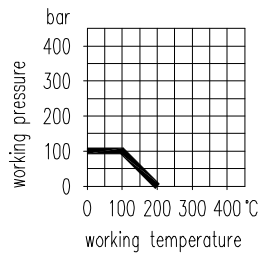
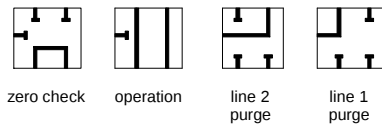
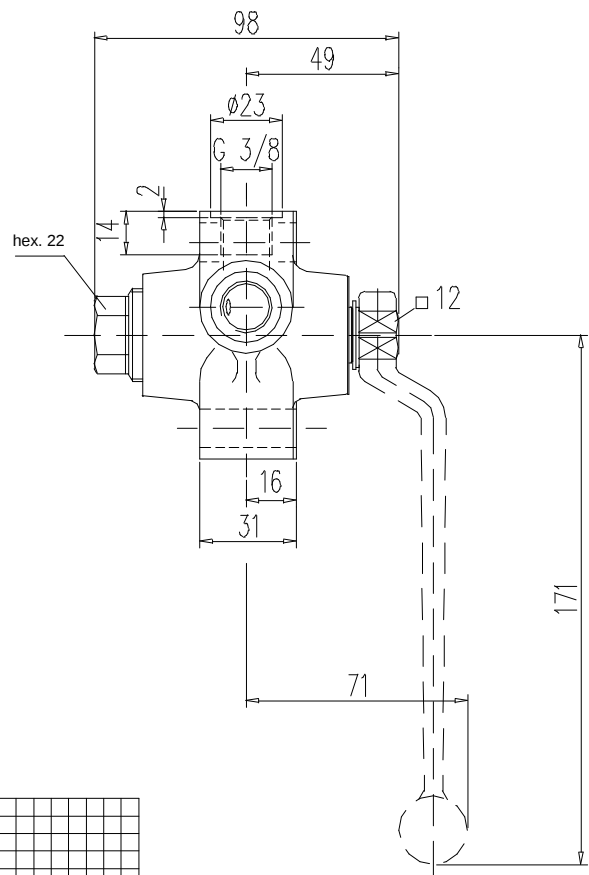
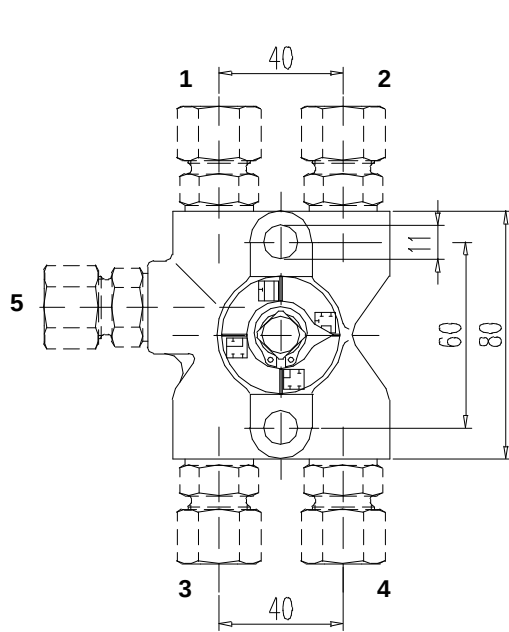
MOUNTING ACCESSORIES see section 8

Material	Connections		Part no.
	Inlet 1 - 2	Outlet	
steel ⁴⁾ st. st. ⁴⁾	G 3/8 female thread according to DIN 3852	DIN 19 213 Type B1	S345.06.114.11 S345.06.214.11
steel st. st.	tube fitting O. D. 12 mm, line S		S345.06.115.11 S345.06.215.11
steel st. st.	bulkhead male connection O. D. 12 mm, line S		S345.06.116.11 S345.06.216.11

Components	Steel	Stainless steel ¹⁾
	DIN - Material Number	
Body ²⁾	1.0460	1.4571
Plug	1.4571	
Distance socket	stainless steel	
Indicating dial	1.4301	
Pressure screw	1.0501	1.4571
Insert ring	stainless steel	
Tube fitting and bulkhead male connection	steel	1.4571
Plug seal	PTFE - carbon	
Switch lever	black anodized aluminium	

- **Body:** die-pressed part
- **Surface:** steel phosphatized
- Special types are available

- 1) Can also be supplied for oxygen service. Please notice order instruction B 3!
max. working pressure 63 bar
max. temperature 60°C
- 2) Available with inspection certificate 3.1.B acc. to EN 10 204
- 3) Dimensions acc. to DIN 19 213 see order instruction B 4
- 4) Type according to DIN 19 209 Ref. No. 11
- 5) Distance 55,6 mm on request



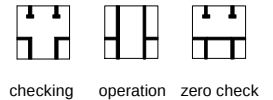
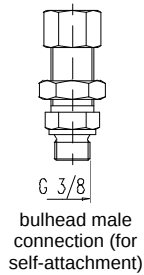
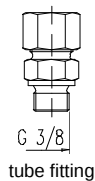
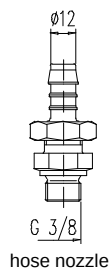
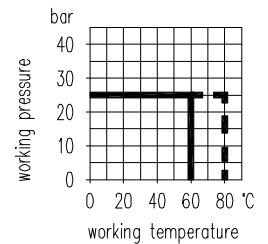
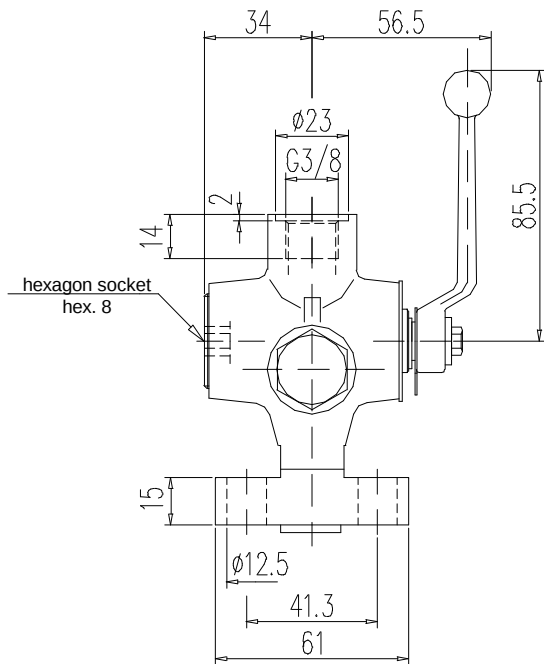
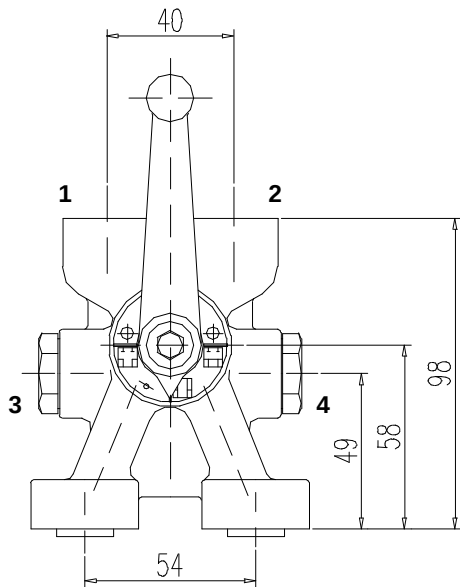
MOUNTING ACCESSORIES see section 8

Material	Connection 1 - 2 - 3 - 4 - 5	Part no.
steel ³⁾ st. st. ³⁾	G 3/8 female thread according to DIN 3852	S345.01.100 S345.01.200
steel st. st.	tube fitting O. D. 12 mm, line S	S345.01.101 S345.01.201
steel st. st.	tube fitting O. D. 12 mm, line L	S345.01.101.02 S345.01.201.02

Components	Steel	Stainless steel ¹⁾
	DIN - Material Number	
Body ²⁾	1.0460	1.4571
Plug	1.4571	
Distance socket	stainless steel	
Indicating dial	1.4301	
Pressure screw	1.0501	1.4571
Insert ring	stainless steel	
Tube fitting	steel	1.4571
Plug seal	PTFE - carbon	

- **Body:** die-pressed part
- **Surface:** steel phosphatized
- **Accessories:** 1 removeable switch lever made of black anodized aluminium
- Special types are available

- 1) Can also be supplied for oxygen service. Please notice order instruction B 3!
max. working pressure 63 bar
max. temperature 60°C
- 2) Available with inspection certificate 3.1.B acc. to EN 10 204
- 3) Type according to DIN 19 209 Ref. No. 6



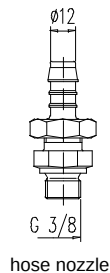
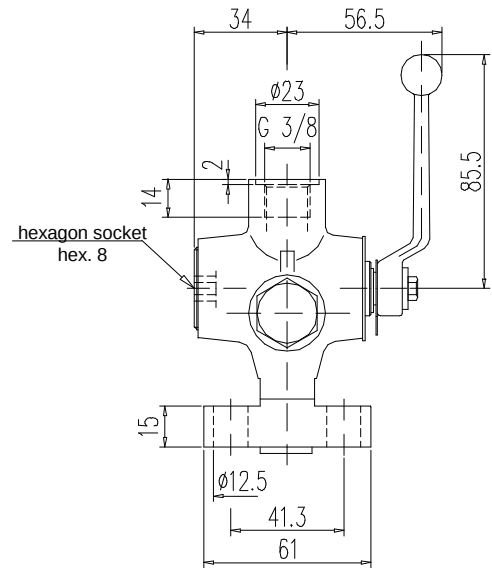
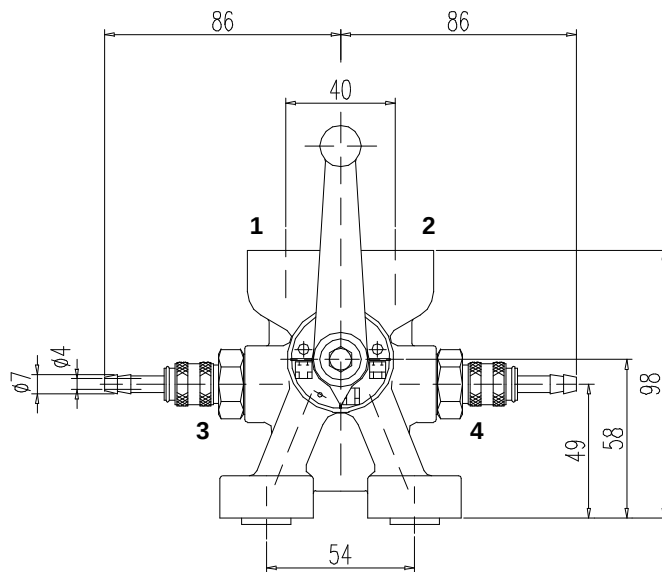
MOUNTING ACCESSORIES see section 8

Connections			Part no.
Inlet 1 - 2	Test 3 - 4	Outlet	
G 3/8 female thread according to DIN 3852	with screw plug G 3/8	DIN 19 213 Type B1	S345.06.070.02
tube fitting O. D. 12 mm, line L			S345.06.071.02
tube fitting O. D. 14 mm, line S			S345.06.071.21
bulkhead male connection O. D. 12 mm, line S			S345.06.072.05
hose nozzle for tube I. D. 12 mm, line L			S345.06.074.02

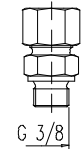
Components	DIN - Material Number
Body	brass
Plug	1.4301
Indicating dial	1.4301
Pressure screw	brass
Insert ring	stainless steel
Hose nozzle and screw plug	brass
Tube fitting and bulkhead male connection	steel (can also be delivered in stainless steel)
Plug seal	PTFE
Ball handle	black anodized aluminium

- Body: pressed part
- Special types are available
- Can also be supplied for oxygen service. Please notice order instruction B 3! max. temperature 60°C

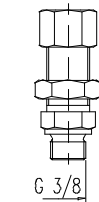
1) Dimensions acc. to DIN 19 213
see order instruction B 4



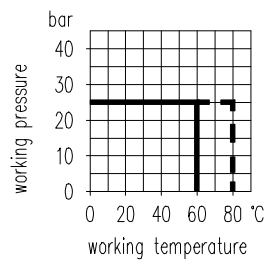
hose nozzle



tube fitting



bulkhead male connection (for self-attachment)



checking



operation



zero check

MOUNTING ACCESSORIES see section 8

Connections			Part no.
Inlet 1 - 2	Test 3 - 4	Outlet	
G 3/8 female thread according to DIN 3852	quick coupling with hose nozzle connection	DIN 19 213 Type B1	S345.06.070.04
tube fitting O. D. 12 mm, line L			S345.06.071.04
bulkhead male connector O. D. 12 mm, line L			S345.06.072.04
hose nozzle for tube I. D. 12 mm, line L			S345.06.074.04

Components	DIN - Material Number
Body	brass
Plug	1.4301
Indicating dial	1.4301
Pressure screw	brass
Insert ring	stainless steel
Hose nozzle and automatic-locking quick coupling	brass
Tube fitting and bulkhead male connection	steel (can also be delivered in stainless steel)
Plug seal	PTFE
Ball handle	black anodized aluminium

- Body: pressed part

- Special types are available

1) Dimensions acc. to DIN 19 213
see order instruction B 4

Absperrventile / Shut-off valves / Robinets d'isolement

Baureihe S338 / S338 Series / Série S338



Baureihe S350 / S350 Series / Série S350



Baureihe S340 / S340 Series / Série S340



Baureihe N354 / N354 Series / Série N354



**Schrägsitzventile / Slanted seat valves /
Robinets d'isolement à siège incliné**



**Eckventile / Angle valves /
Robinets d'équerre**



**Faltenbalgventile / Bellows sealed valves /
Robinets d'isolement avec soufflet**



Absperrventile / Shut-off valves / Robinets d'isolement

Baureihe S338 / S338 Series / Série S338



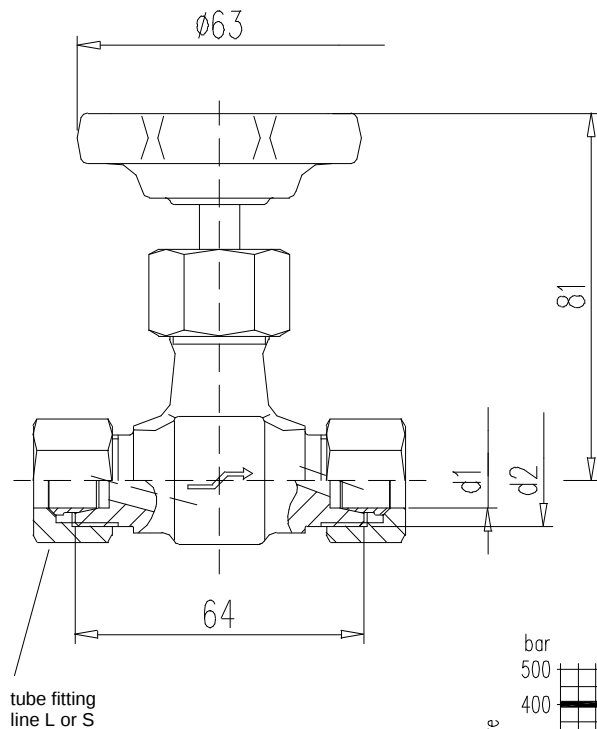
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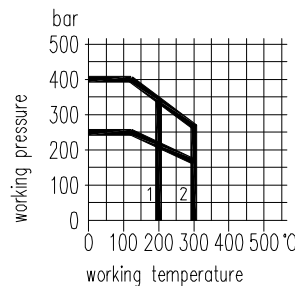
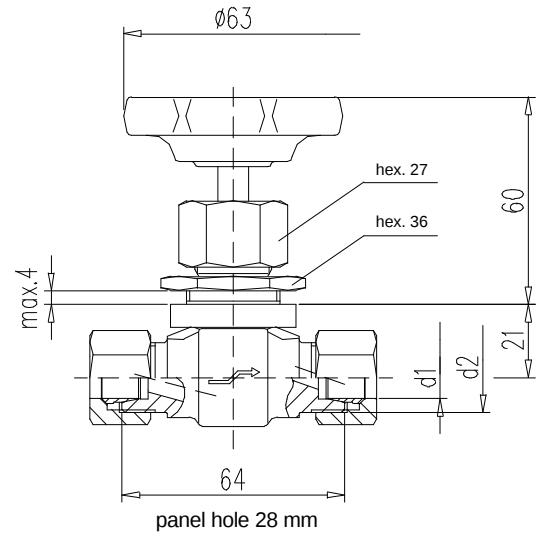
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ON REQUEST valve for panel mounting



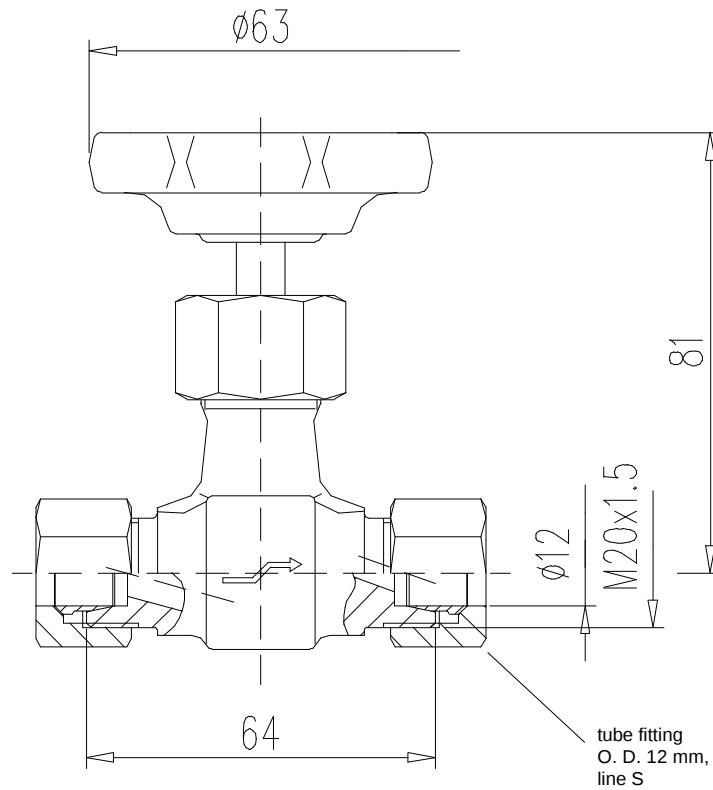
- 1 PTFE packing
- 2 graphite packing

Tube O. D.	Material	Line L PN 250		Line S PN 400	
		Connection thread d 2	Part no.	Connection thread d 2	Part no.
6	steel st. st.	M 12 x 1,5	S338.03.180 S338.03.280	M 14 x 1,5	S338.03.130 S338.03.230
8	steel st. st.	M 14 x 1,5	S338.03.170 S338.03.270	M 16 x 1,5	S338.03.120 S338.03.220
10	steel st. st.	M 16 x 1,5	S338.03.160 S338.03.260	M 18 x 1,5	S338.03.110 S338.03.210
12	steel st. st.	M 18 x 1,5	S338.03.150 S338.03.250	M 20 x 1,5	S338.03.100 S338.03.200

Components	Steel	Stainless steel ¹⁾
	DIN - Material Number	
Body ²⁾	1.0460	1.4571
Valve stem	1.4104	1.4571
Needle tip	1.4122 ⁴⁾	1.4571
Packing	PTFE up to 200°C (graphite up to 300°C)	
Union nut	steel	1.4571
Handwheel	plastic ³⁾	

- Body: die-pressed part
- Surface: steel phosphatized
- Internal stem thread
- Stem with cold rolled surface and non-rotating needle tip
- Special types are available

- 1) Can also be supplied for oxygen service. Please notice order instruction B 3!
- 2) Available with inspection certificate 3.1.B acc. to EN 10 204
- 3) Can also be supplied with handwheel made of steel
- 4) 1.4122 quenched and tempered

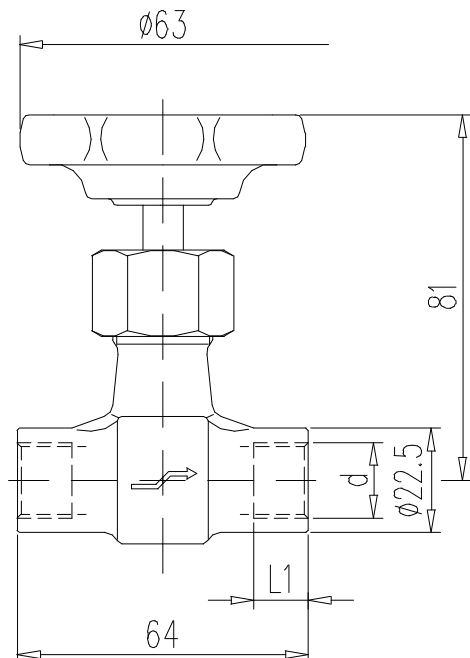
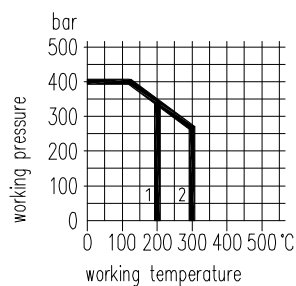
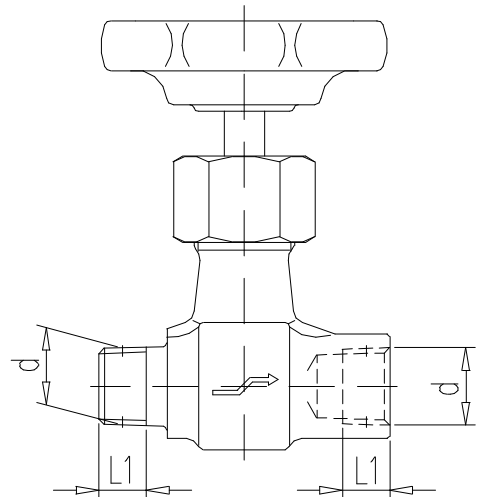


D V G W - Registration

Surface	Part no.	DIN - DVGW-Register No.	Component test no.
phosphatized	S 338.34.100.02	NG-4314AO0763	TÜV.AR.168-98
galvanized	S 338.34.100.0283		

Components	DIN - Material Number
Body	1.0460
Valve stem	1.4104
Needle tip	1.4122 quenched and tempered
Union nut	galv. steel
O-ring retainer	brass
O-rings	FPM (Viton®)
Handwheel	plastic

- Body: die-pressed part
- Surface: steel phosphatized
- Internal stem thread
- Stem with cold rolled surface and non-rotating needle tip
- DVGW tested in accordance with DIN 3437
- Max. working pressure: 100 bar
Working temperature: - 10°C up to + 70°C
- For all kinds of gas in accordance with DVGW-list number G 260
- Available with inspection certificate 3.1.B acc. to EN 10 204

Type 1

Type 2


1 PTFE packing
2 graphite packing

Type	Connections		Part no.	
	d	L 1 [mm]	Steel	Stainless steel
1	G 1/4	12	S338.08.115	S338.08.215
	G 3/8	12	S338.08.116	S338.08.216
	1/4 NPT	10	S338.08.110	S338.08.210
	3/8 NPT	10,4	S338.08.111	S338.08.211
2	1/4 NPT	10	S338.08.100	S338.08.200

Components	Steel	Stainless steel ¹⁾
	DIN - Material Number	
Body ²⁾	1.0460	1.4571
Valve stem	1.4104	1.4571
Needle tip	1.4122 ⁴⁾	1.4571
Packing	PTFE up to 200°C (graphite up to 300°C)	
Union nut	steel	1.4571
Handwheel	plastic ³⁾	

- Body: die-pressed part
- Surface: steel phosphatized
- Internal stem thread
- Stem with cold rolled surface and non-rotating needle tip
- Special types are available

- 1) Can also be supplied for oxygen service. Please notice order instruction B 3!
- 2) Available with inspection certificate 3.1.B acc. to EN 10 204
- 3) Can also be supplied with handwheel made of steel
- 4) 1.4122 quenched and tempered

Absperrventile / Shut-off valves / Robinets d'isolement

Baureihe S350 / S350 Series / Série S350



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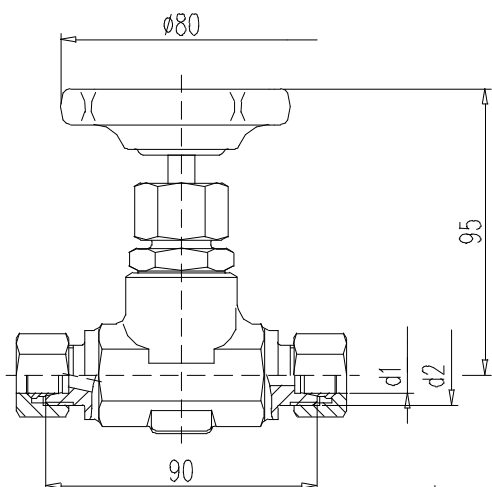
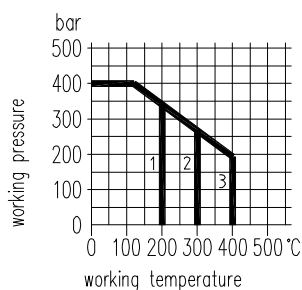
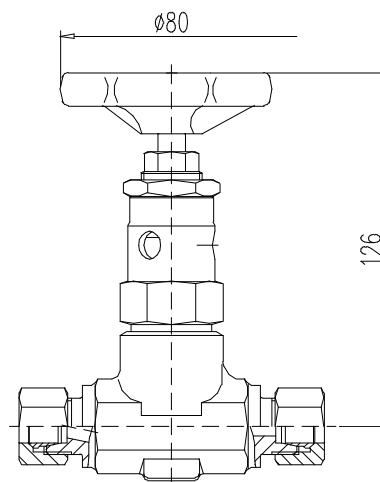
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Katalogblatt 6.16
Catalogue page 6.16



Katalogblatt 6.17
Catalogue page 6.17

internal stem thread

external stem thread


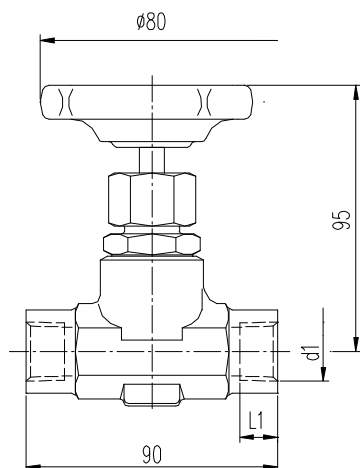
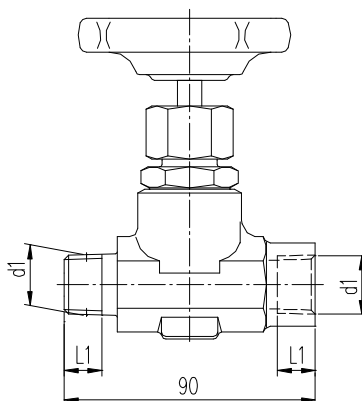
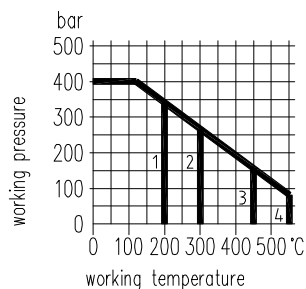
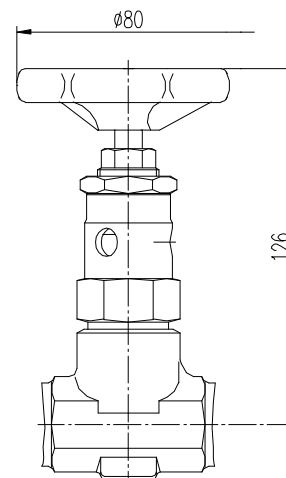
- 1 PTFE packing
- 2 graphite packing - internal stem thread
- 3 graphite packing - external stem thread

Tube O. D. d 1 [mm]	Material	DN	Connection thread d 2	Part no. for shut-off valve with	
				internal stem thread	external stem thread
10	steel st. st.	6	M 18 x 1,5	S350.01.113 S350.01.213	S351.01.113 S351.01.213
12	steel st. st.	8	M 20 x 1,5	S350.01.114 S350.01.214	S351.01.114 S351.01.214
14	steel st. st.	10	M 22 x 1,5	S350.01.115 S350.01.215	S351.01.115 S351.01.215
16	steel st. st.	10	M 24 x 1,5	S350.01.116 S350.01.216	S351.01.116 S351.01.216

Components	Internal stem thread		External stem thread	
	Steel	Stainless steel ¹⁾	Steel	Stainless steel ¹⁾
	DIN - Material Number			
Body ²⁾	1.0460	1.4571	1.0460	1.4571
Bonnet	1.0501	1.4571	1.7709	1.4571
Valve seat	1.4571/ 1.4021	1.4571	1.4021	1.4571
Valve stem	1.4104	1.4571	1.4021	1.4571
Needle tip	1.4122 ⁶⁾	1.4571	1.4122 ⁶⁾	1.4571
Packing	graphite up to 300°C	PTFE up to 200°C ⁴⁾	graphite up to 400°C	PTFE up to 200°C ⁵⁾
Union nut / gland nut	steel -	1.4571 -	- 2.0550	- 1.4301
Handwheel	plastic ³⁾		steel	

- **Body:** die-pressed part
- **Surface:** steel phosphatized
- Internal or external stem thread
- Replaceable valve seat
- Stem with cold rolled surface, back seat and non-rotating needle tip
- Line L on request
- Special types are available

- 1) Can also be supplied for oxygen service. Please notice order instruction B 3!
- 2) Available with inspection certificate 3.1.B acc. to EN 10 204
- 3) Can also be supplied with handwheel made of steel
- 4) Available with graphite up to 300°C
- 5) Available with graphite up to 400°C
- 6) 1.4122 quenched and tempered

Type 1

Type 2

Type with external stem thread


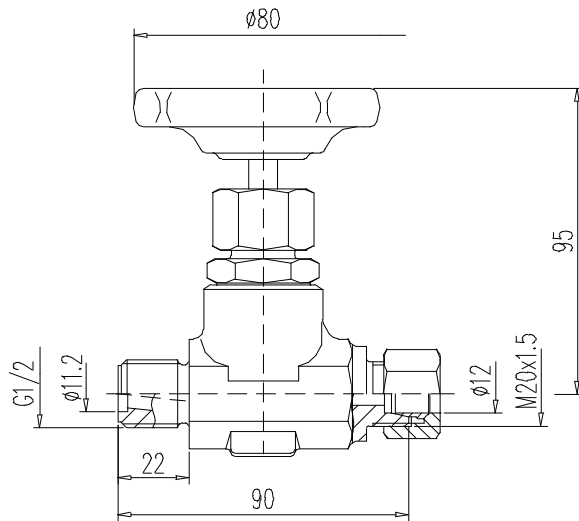
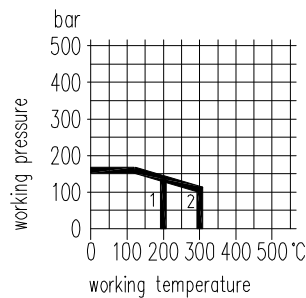
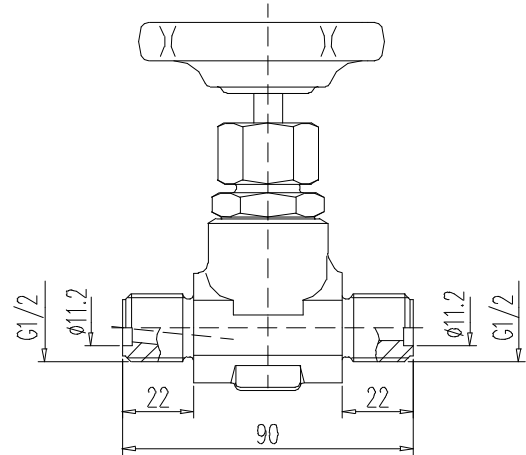
- 1 PTFE packing
- 2 graphite packing - internal stem thread
- 3 graphite packing - external stem thread - 1.0460
- 4 graphite packing - external stem thread - 1.4571

Type	Material	Connections d 1	L 1 [mm]	Part no. for shut-off valve with	
				internal stem thread	external stem thread
1	steel st. st.	G 3/8	14,0	S350.03.103 S350.03.203	S351.03.103 S351.03.203
	steel st. st.	G 1/2	17,0	S350.03.104 S350.03.204	S351.03.104 S351.03.204
	steel st. st.	1/2 NPT	13,6	S350.03.124 S350.03.224	S351.03.124 S351.03.224
2	steel st. st.	1/2 NPT	13,6	S350.07.124 S350.07.224	S351.07.124 S351.07.224

Components	Internal stem thread		External stem thread	
	Steel	Stainless steel ¹⁾	Steel	Stainless steel ¹⁾
	DIN - Material Number			
Body ²⁾	1.0460	1.4571	1.0460	1.4571
Bonnet	1.0501	1.4571	1.7709	1.4571
Valve seat	1.4021	1.4571	1.4021	1.4571
Valve stem	1.4104	1.4571	1.4021	1.4571
Needle tip	1.4122 ⁶⁾	1.4571	1.4122 ⁶⁾	1.4571
Packing	graphite up to 300°C	PTFE up to 200°C ⁴⁾	graphite up to 450°C	PTFE up to 200°C ⁵⁾
Union nut / gland nut	steel -	1.4571 -	- 2.0550	- 1.4301
Handwheel	plastic ³⁾		steel	

- **Body:** die-pressed part
- **Surface:** steel phosphatized
- Internal or external stem thread
- Replaceable valve seat
- Stem with cold rolled surface, back seat and non-rotating needle tip
- Special types are available

- 1) Can also be supplied for oxygen service. Please notice order instruction B 3!
- 2) Available with inspection certificate 3.1.B acc. to EN 10 204
- 3) Can also be supplied with handwheel made of steel
- 4) Available with graphite up to 300°C
- 5) Available with graphite up to 550°C
- 6) 1.4122 quenched and tempered

Type 1

Type 2


- 1 PTFE packing
2 graphite packing

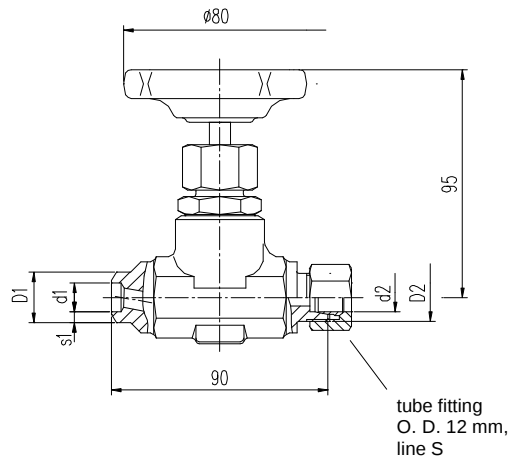
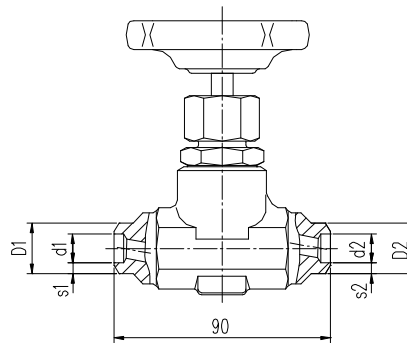
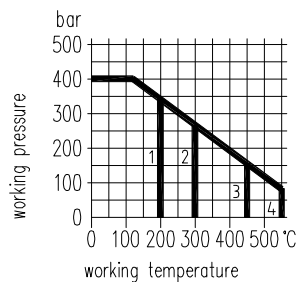
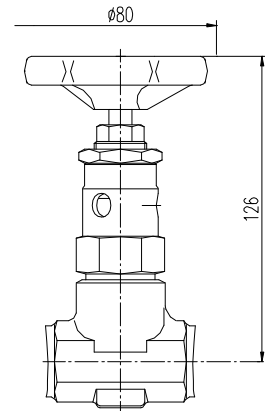
MOUNTING ACCESSORIES see section 8

Type	Ref no. DIN 19 208	Material	Connections		Part no.
			Inlet	Outlet	
1	8	steel st. st.	G 1/2 male DIN 19 207, Type R	tube fitting O. D. 12 mm, line S	S350.07.114.06 S350.07.214.06
2	7	steel st. st.	G 1/2 male DIN 19 207, Type R		S350.09.100.02 S350.09.200.02

Components	Steel	Stainless steel ¹⁾
	DIN - Material Number	
Body ²⁾	1.0460	1.4571
Bonnet	1.0501	1.4571
Valve seat	1.4021	1.4571
Valve stem	1.4104	1.4571
Needle tip	1.4122 ⁴⁾	1.4571
Packing	graphite	PTFE up to 200°C (graphite up to 300°C)
Union nut	steel	1.4571
Handwheel	plastic ³⁾	

- **Body:** die-pressed part
- **Surface:** steel phosphatized
- Internal stem thread
- Replaceable valve seat
- Stem with cold rolled surface, back seat and non-rotating needle tip
- Special types are available

- 1) Can also be supplied for oxygen service. Please notice order instruction B 3!
2) Available with inspection certificate 3.1.B acc. to EN 10 204
3) Can also be supplied with handwheel made of steel
4) 1.4122 quenched and tempered

Type 1

Type 2

Type with external stem thread


- 1 PTFE packing
- 2 graphite packing - internal stem thread
- 3 graphite packing - external stem thread - 1.0460
- 4 graphite packing - external stem thread - 1.4571

Type	Material	Connections						Part no. for shut-off valve with	
		D 1	d 1	S 1	D 2	d 2	S 2	internal stem thread	external stem thread
1	steel st. st.	21,3	12,2	-	M 20 x 1,5	12	-	S350.05.130 S350.05.230	S351.05.130 S351.05.230
	steel st. st.	24	-	7,1	M 20 x 1,5	12	-	S350.05.130.09 S350.05.230.09	S351.05.130.09 S351.05.230.09
2	steel st. st.	21,3	12,2	-	21,3	12,2	-	S350.05.100 S350.05.200	S351.05.100 S351.05.200
	steel st. st.	24	-	7,1	14	-	2,5	S350.05.130.23 S350.05.230.23	S351.05.130.23 S351.05.230.23

Components	Internal stem thread		External stem thread	
	Steel	Stainless steel ¹⁾	Steel	Stainless steel ¹⁾
	DIN - Material Number			
Body ²⁾	1.0460	1.4571	1.0460	1.4571
Bonnet	1.0501	1.4571	1.7709	1.4571
Valve seat	1.4021	1.4571	1.4021	1.4571
Valve stem	1.4104	1.4571	1.4021	1.4571
Needle tip	1.4122 ⁷⁾	1.4571	1.4122 ⁷⁾	1.4571
Packing	graphite up to 300°C	PTFE up to 200°C ⁴⁾	graphite up to 450°C ⁴⁾	PTFE up to 200°C ^{5) 6)}
Union nut / gland nut	steel -	1.4571 -	- 2.0550	- 1.4301
Handwheel	plastic ³⁾		steel	

- **Body:** die-pressed part
- **Surface:** steel phosphatized
- Internal or external stem thread
- Replaceable valve seat
- Stem with cold rolled surface, back seat and non-rotating needle tip
- Special types are available

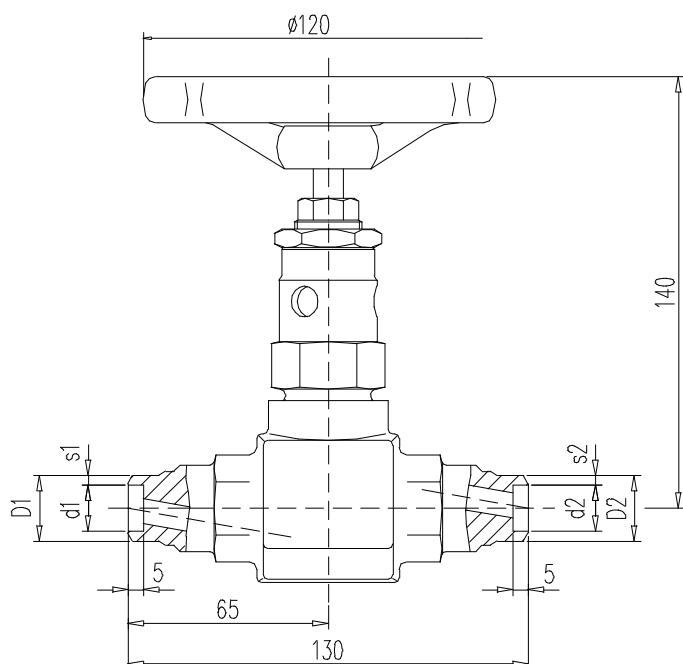
- 1) Can also be supplied for oxygen service. Please notice order instruction B 3!
- 2) Available with inspection certificate 3.1.B acc. to EN 10 204
- 3) Can also be supplied with handwheel made of steel
- 4) Available with graphite up to 300°C
- 5) Available with graphite up to 550°C
- 6) Type 1 available with graphite up to 400°C
- 7) 1.4122 quenched and tempered

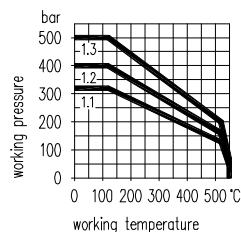
Absperrventile / Shut-off valves / Robinets d'isolement

Baureihe S340 / S340 Series / Série S340

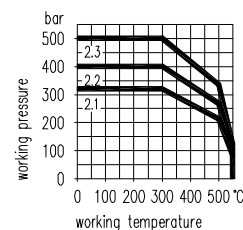


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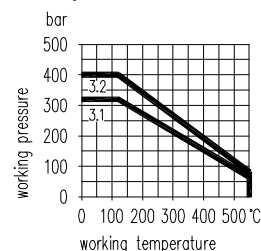

Type 1

body material 1.7335 u.
1.5415

Type 2

body material 1.7380


Type 3

body material 1.4571


Type S340....

Connections [mm]				Type 1			Type 2		Type 3	
				Body material						
Inlet		Outlet		1.7335		1.5415	1.7380		1.4571	
D 1	S 1	D 2	S 2	Curve	Part no.		Curve	Part no.	Curve	Part no.
14,0	2,5	14,0	2,5	1.3	S340.11.114.04	S340.11.600.11	2.3	S340.16.112.04	3.2	S340.11.212.04
21,3	3,2	21,3	3,2	1.2	S340.11.136.31	S340.11.636.31	2.2	S340.16.136.31	3.2	S340.11.236.31
21,3	2,9	21,3	2,9	1.1	S340.11.136.32	S340.11.636.32	2.1	S340.16.136.32	3.1	S340.11.236.32
21,3	3,2	14,0	2,5	1.2	S340.11.136.33	S340.11.636.33	2.2	S340.16.136.33	3.2	S340.11.236.33
21,3	2,9	14,0	2,5	1.1	S340.11.136.34	S340.11.636.34	2.1	S340.16.136.34	3.1	S340.11.236.34
24,0	7,1	14,0	2,5	1.3	S340.11.136.40	S340.11.636.40	2.3	S340.16.136.40	3.2	S340.11.236.40

Type S380....

D 1	d 1	D 2	d 2	Curve	Part no.		Curve	Part no.	Curve	Part no.
34,0	21,7	34,0	21,7	1.2	S381.40.614.01	S381.40.714.01	2.2	S381.40.514.01	3.2	S381.40.214.01

Components	Type 1	Type 2	Type 3 ¹⁾
	DIN - Material Number		
Body ²⁾	1.7335 / 1.5415	1.7380	1.4571
Bonnet	1.7709	1.7709	1.4571
Valve stem	1.4021	1.4923	1.4571
Needle tip	1.4122 ³⁾	Stellite 4	1.4571
Valve seat	1.4021	1.4981	1.4571
Packing	graphite		
Gland nut	2.0550	2.0936	1.4301
Handwheel	steel		

- Body: die-pressed part
- Surface: steel phosphatized
- External stem thread
- Replaceable valve seat and non-rotating needle tip
- Stem with cold rolled surface, with back seat
- Special types are available

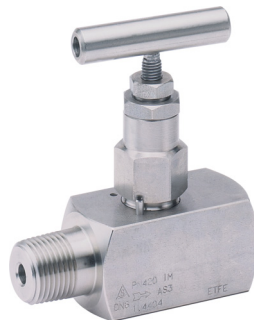
- 1) Can also be supplied for oxygen service.
Please notice order instruction B 3!
- 2) Type 1 and 2: available with inspection certificate 3.1.A
acc. to EN 10 204
Type 3: available with inspection certificate 3.1.B
acc. to EN 10 204
- 3) 1.4122 quenched and tempered

Absperrventile / Shut-off valves / Robinets d'isolement

Baureihe N354 / N354 Series / Série N354



Katalogblatt 7.00
Catalogue page 7.00



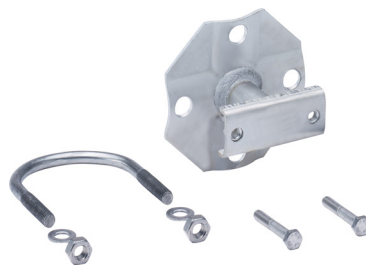
Katalogblatt 7.05
Catalogue page 7.05



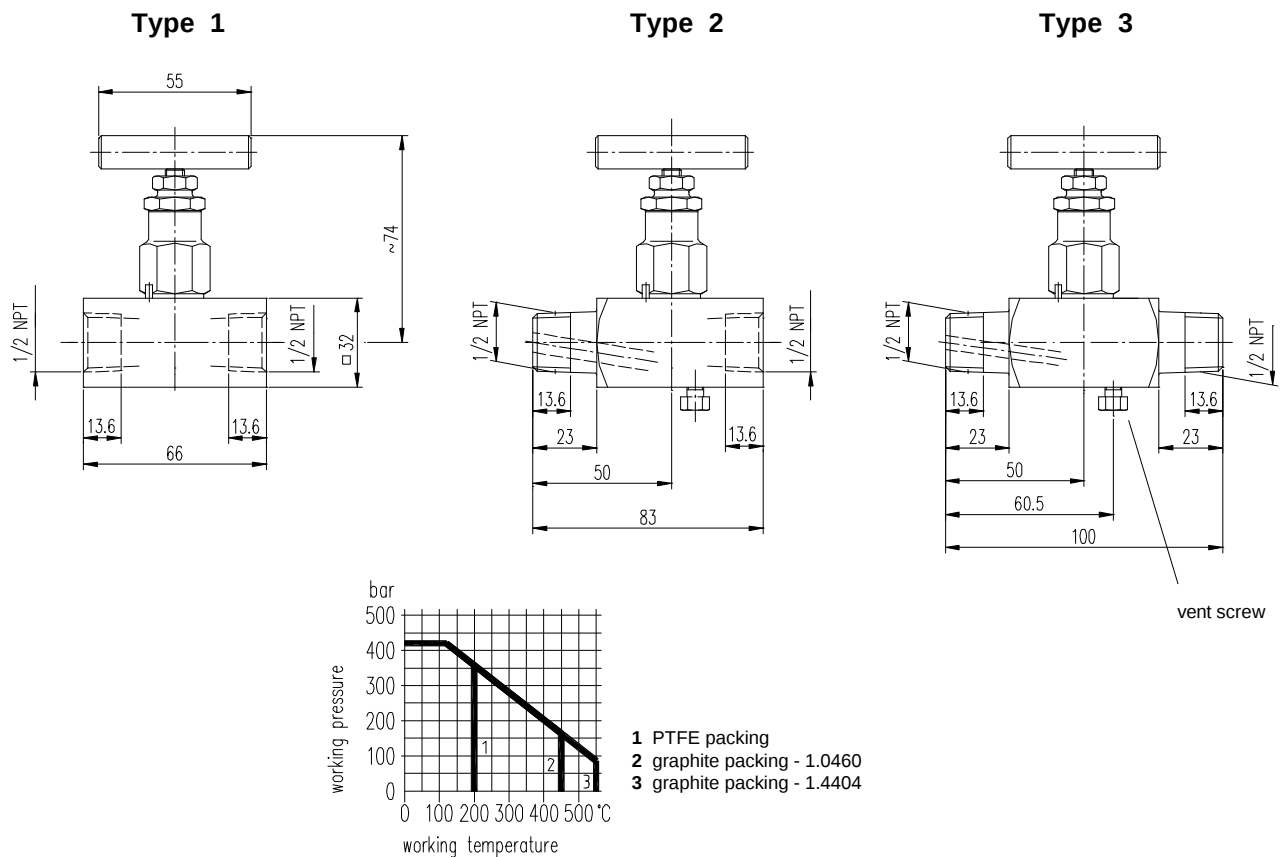
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Catalogue page 7.10



Katalogblatt 7.11
Catalogue page 7.11



Katalogblatt 8.08
Catalogue page 8.08

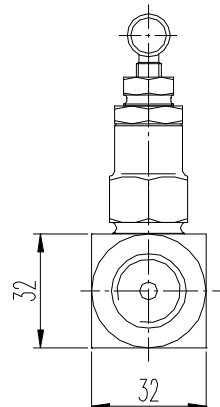
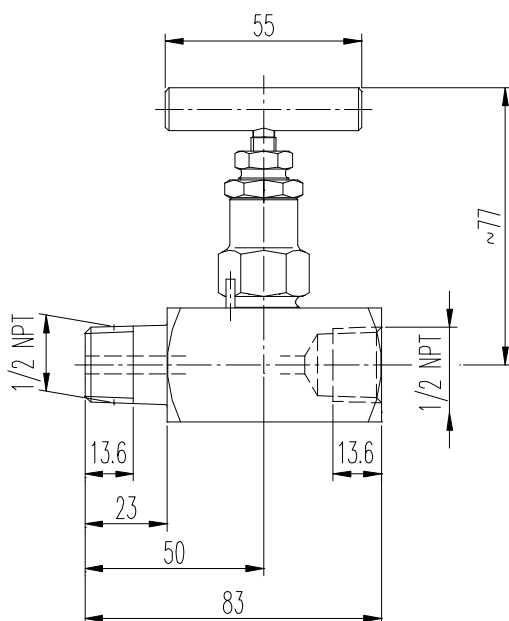
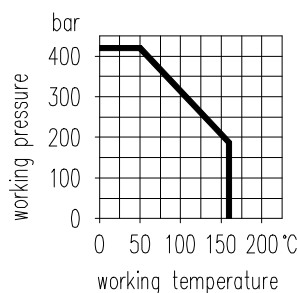
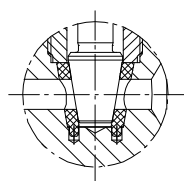


Type	Material	Connections		Remarks	Part no.
		Inlet	Outlet		
1	steel st. st.	1/2 NPT female		without vent screw	N354.03.101.05 N354.03.401.05
2	steel st. st.	1/2 NPT male	1/2 NPT female		N354.07.101.05 N354.07.401.05
	steel st. st.			N354.16.101.05 N354.16.401.05	
3	st.st.	1/2 NPT male		with vent screw	N354.02.402.05

Components	Steel	Stainless steel ¹⁾
	DIN - Material Number	
Body ²⁾	1.0460	1.4404 / 316L
Bonnet	1.4401 / 316	
Valve stem	1.4404	
Needle tip ³⁾	1.4122 ⁴⁾	1.4571
Packing	PTFE up to 200°C (graphite up to 550°C)	
Gland nut	1.4301	
T-handle	stainless steel	

- Surface: steel phosphatized
- For max. working pressure 700 bar (10.000 psi):
Part no. N 354.03.101.85 replaces N 354.03.101.05
- External stem thread
- Stem with cold rolled surface, back seat and non-rotating needle tip
- Type with 1/4 NPT thread on request
- The valves can be supplied according to NACE-standard
- On request:
 - Anti-tamper facility
 - Panel mounting
 - Extended body on male inlet port
 - Padlocking facility

- 1) Can also be supplied for oxygen service.
Please notice order instruction B 3!
- 2) Available with inspection certificate 3.1.B acc. to EN 10 204
- 3) Also available with soft tip in KEL-F[®] (PCTFE) or Delrin[®] (POM)
- 4) 1.4122 quenched and tempered


soft seat

MOUNTING ACCESSORIES see section 8

Material	Connections		Part no.
	Inlet	Outlet	
st. st.	1/2 NPT female		N354.03.461.05
	1/2 NPT male	1/2 NPT female	N354.07.461.05
	1/2 NPT male	3 outlet ports with 1/2 NPT female	N354.17.461.25

Components	DIN - Material Number
Body ¹⁾	1.4404 / 316L
Bonnet	1.4401 / 316
Valve seat	Tefzel® (EFTE)
Valve stem	1.4404
Packing	PTFE
Gand nut	1.4301
T-handle	stainless steel

- External stem thread
- Stem with cold rolled surface, with back seat
- Replaceable soft seat, roddable
- Valve body made of steel (C 22.8) on request
- Special types are available on request

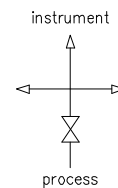
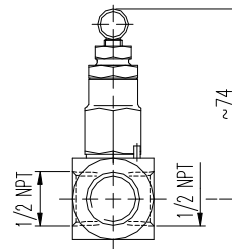
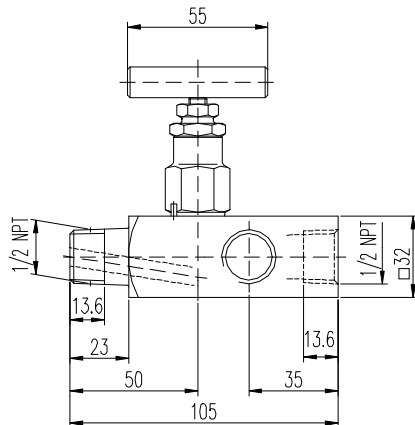
- The valves can be supplied according to NACE-standard

On request:

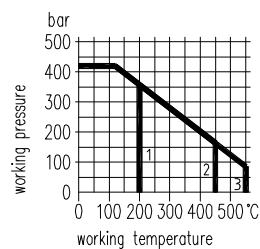
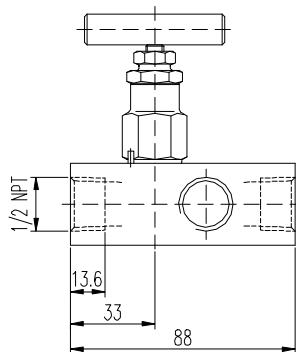
- Anti-tamper facility
- Panel mounting
- Extended body on male inlet port
- Padlocking facility

1) Available with inspection certificate 3.1.B acc. to EN 10 204

Type 1



Type 2



1 PTFE packing
2 graphite packing - 1.0460
3 graphite packing - 1.4404

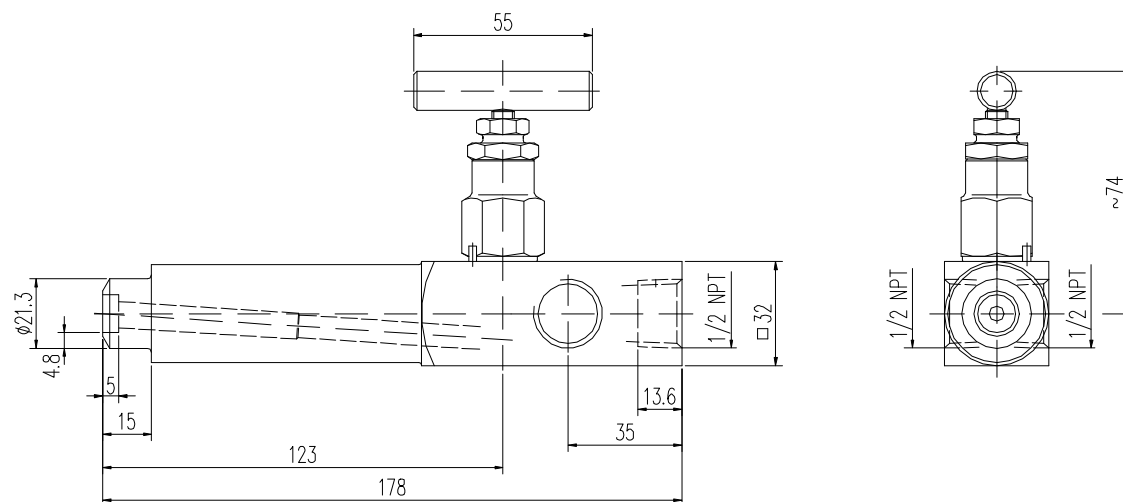
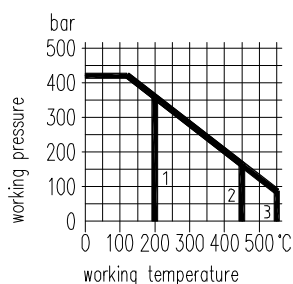
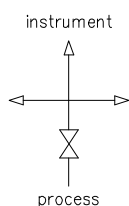
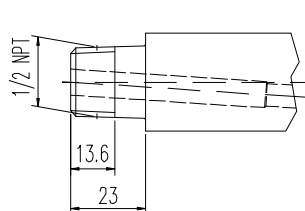
MOUNTING ACCESSORIES see section 8

Type	Material	Connections		Part no.
		Inlet	3 Outlets	
1	steel st. st.	1/2 NPT male	1/2 NPT female	N354.17.101.25 N354.17.401.25
2	steel st. st.	1/2 NPT female		N354.17.109.25 N354.17.409.25

Components	Steel	Stainless steel ¹⁾
	DIN - Material Number	
Body ²⁾	1.0460	1.4404 / 316L
Bonnet	1.4401 / 316	
Valve stem	1.4404	
Needle tip ³⁾	1.4122 ⁴⁾	1.4571
Packing	PTFE up to 200°C (graphite up to 550°C)	
Gland nut	1.4301	
T-handle	stainless steel	

- Surface: steel phosphatized
 - Working pressure up to 700 bar (10.000 psi) on request
 - External stem thread
 - Stem with cold rolled surface, back seat and non-rotating needle tip
 - Types with 1/4 NPT thread on request
 - The valves can be supplied according to NACE-standard
- On request:
- Anti-tamper facility
 - Panel mounting
 - Extended body on male inlet port
 - Padlocking facility

- 1) Can also be supplied for oxygen service.
Please notice order instruction B 3!
- 2) Available with inspection certificate 3.1.B acc. to EN 10 204
- 3) Also available with soft tip in KEL-F® (PTFE) or
Delrin® (POM)
- 4) 1.4122 quenched and tempered

Type 1

Type 2


- 1 PTFE packing
- 2 graphite packing - 1.0460
- 3 graphite packing - 1.4404

MOUNTING ACCESSORIES see section 8

Type	Material	Connections		Packing	Part no.
		Inlet	3 Outlets		
1	st. st.	weld end O. D. 21,3 x 4,8 mm	1/2 NPT female	PTFE	N354.17.427.01
				graphite	N354.17.427.0120
2	st. st.	1/2 NPT male		PTFE	N354.17.427.02
				graphite	N354.17.427.0220

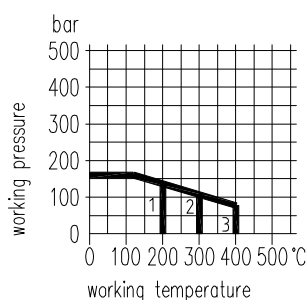
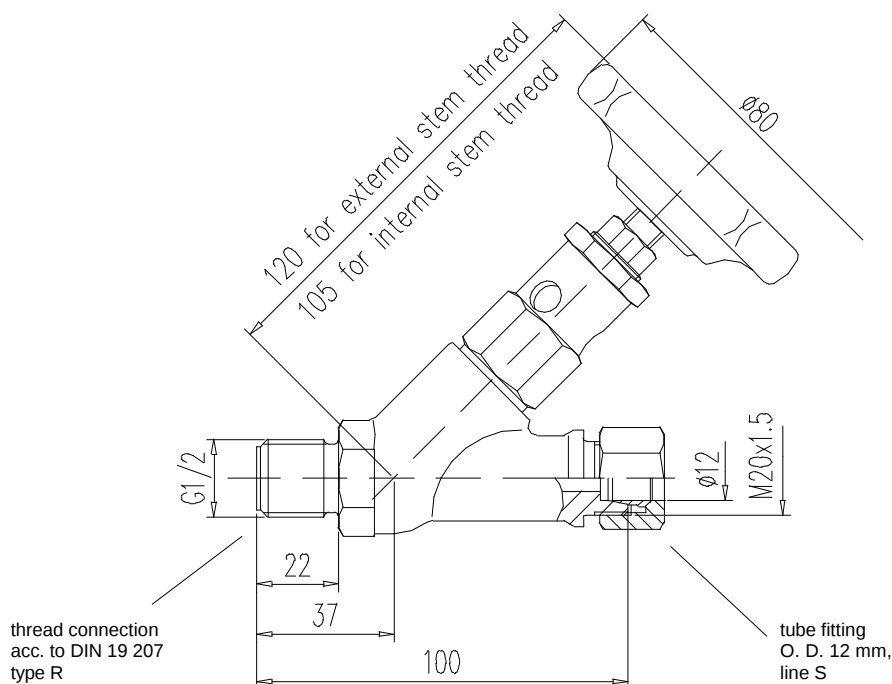
Components	Stainless steel ¹⁾	
	DIN - Material Number	
Body ²⁾	1.4404 / 316L	
Bonnet	1.4401 / 316	
Valve stem	1.4404	
Needle tip ³⁾	1.4571	
Packing	PTFE up to 200°C	graphite up to 550°C
Gland nut	1.4301	
T-handle	stainless steel	

- Working pressure up to 700 bar (10.000 psi) on request
- External stem thread
- Stem with cold rolled surface, back seat and non-rotating needle tip
- Special types are available on request
- The valves can be supplied according to NACE-standard

On request:

- Anti-tamper facility
- Padlocking facility

- 1) Can also be supplied for oxygen service. Please notice order instruction B 3!
- 2) Available with inspection certificate 3.1.B acc. to EN 10 204
- 3) Also available with soft tip in KEL-F® (PCTFE) or Delrin® (POM)



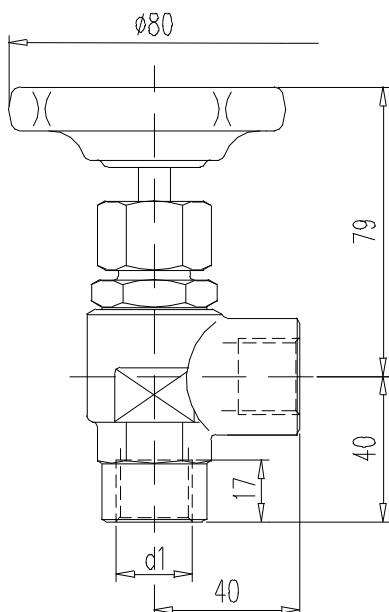
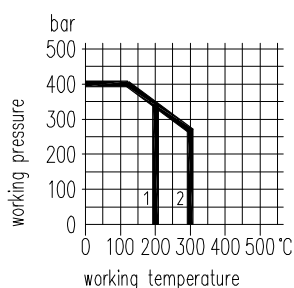
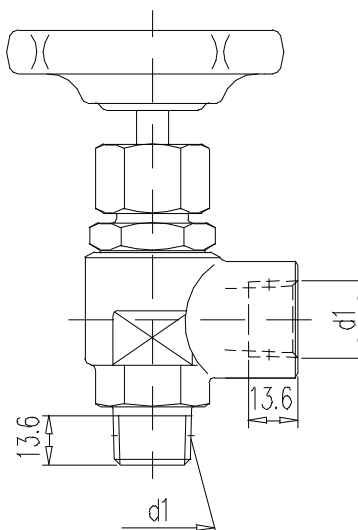
- 1 PTFE packing
- 2 graphite packing - internal stem thread
- 3 graphite packing - external stem thread

Material	Part no. with	
	internal stem thread	external stem thread
steel	S370.02.102.03	S371.02.102.03
st. st.	S370.02.202.03	S371.02.202.03

Components	Internal stem thread		external stem thread	
	Steel	Stainless steel ¹⁾	Steel	Stainless steel ¹⁾
	DIN - Material Number			
Body ²⁾	1.0460	1.4571	1.0460	1.4571
Bonnet	1.0501	1.4571	1.7709	1.4571
Valve stem	1.4104	1.4571	1.4021	1.4571
Needle tip	1.4122 ⁶⁾	1.4571	1.4122 ⁶⁾	1.4571
Packing	graphite up to 300°C	PTFE up to 200°C ⁴⁾	graphite up to 400°C	PTFE up to 200°C ⁵⁾
Union nut / gland nut	steel -	1.4571 -	- brass	- 1.4301
Handwheel	plastic ³⁾			

- Body: die-pressed part
- Surface: steel phosphatized
- Internal or external stem thread
- Stem with cold rolled surface, back seat and non-rotating needle tip
- Valves with special welding connections optional

- 1) Can also be supplied for oxygen service. Please notice order instruction B 3!
- 2) Available with inspection certificate 3.1.B acc. to EN 10 204
- 3) Can also be supplied with handwheel made of steel
- 4) Available with graphite up to 300°C
- 5) Available with graphite up to 400°C
- 6) 1.4122 quenched and tempered

Type 1

Type 2


1 PTFE packing
2 graphite packing

Type	Material	Connections d 1	Part no.
1	steel st. st.	G 1/2	S360.03.104 S360.03.204
2	steel st. st.	1/2 NPT	S360.07.124 S360.07.224

Components	Steel	Stainless steel ¹⁾
	DIN - Material Number	
Body ²⁾	1.0460	1.4571
Bonnet	1.0501	1.4571
Valve seat	1.4021	1.4571
Valve stem	1.4104	1.4571
Needle tip	1.4122 ⁵⁾	1.4571
Packing	graphite	PTFE up to 200°C ⁴⁾
Union nut	steel	1.4571
Handwheel	plastic ³⁾	

- Body: die-pressed part
- Surface: steel phosphatized
- Internal stem thread
- Replaceable valve seat
- Stem with cold rolled surface, back seat and non-rotating needle tip
- Special types are available

- 1) Can also be supplied for oxygen service. Please notice order instruction B 3!
- 2) Available with inspection certificate 3.1.B acc. to EN 10 204
- 3) Can also be supplied with handwheel made of steel
- 4) Available with graphite up to 300°C
- 5) 1.4122 quenched and tempered

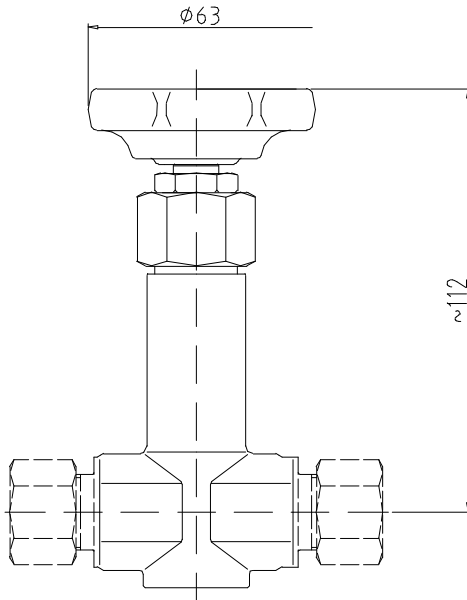
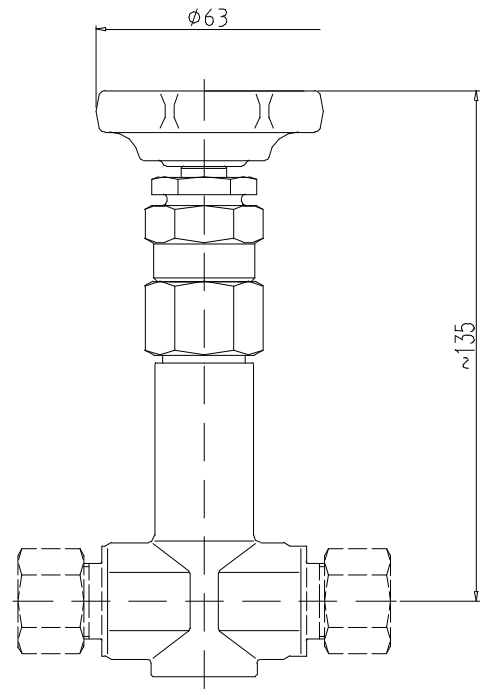
Faltenbalgventile
Bellows sealed valves
Robinets d'isolement avec soufflet



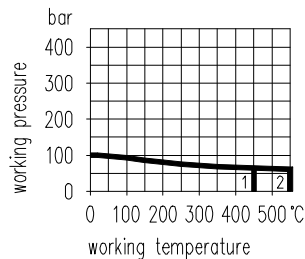
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without safety packing (P1)

with safety packing (P5)


1 steel type
 2 stainless steel type

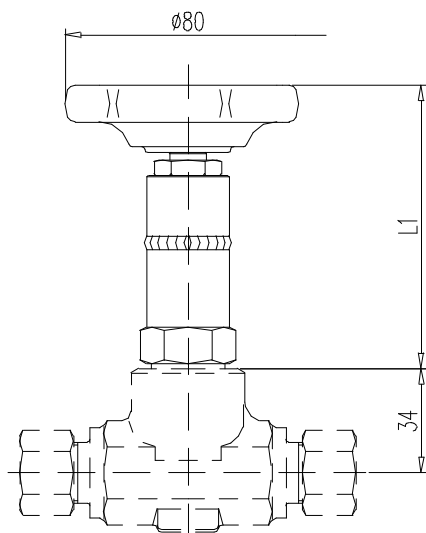


The complete **part no. F438...** depends on the corresponding connections and type.

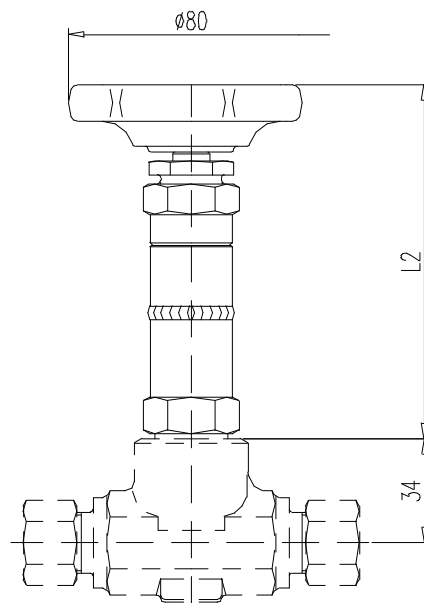
Components	Steel	Stainless steel ¹⁾
	DIN - Material Number	
Body ²⁾	1.0460	1.4571
Valve stem	1.4571	
Needle tip ⁴⁾	Stellite 6	
Bellow	1.4571	
Bonnet	1.4571	
Safety packing	graphite	
Handwheel ³⁾	plastic	

- **Body:** die-pressed part
- **Surface:** steel phosphatized
- The bellows are submitted to a 100% Helium leak test.
Leak rate: 10^{-7} mbar l/s.
- 1) Valves for oxygen service on request.
- 2) Available with inspection certificate 3.1.B acc. to EN 10 204
- 3) Can also be supplied with handwheel made of steel or aluminium
- 4) Also available with soft tip in KEL-F® (PCTFE) or Delrin® (POM)

without safety packing (P1 to P3)

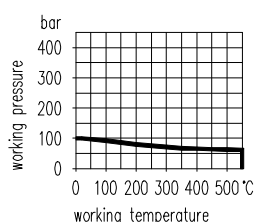


with safety packing (P5 to P7)

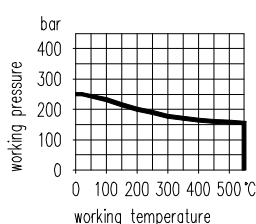


Pressure / temperature ratings based on head unit:

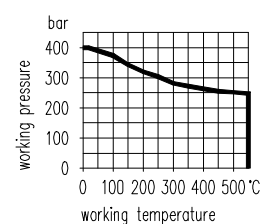
PN 100



PN 250



PN 400



Bellows type	Dimensions [mm]		Code designation for head unit without with safety packing			
	L1	L2	DN 5	DN 8	DN 5	DN 8
PN 100	93	116	F5 P1	F8 P1	F5 P5	F8 P5
PN 250	123	146	F5 P2	F8 P2	F5 P6	F8 P6
PN 400	139	162	F5 P3	F8 P3	F5 P7	F8 P7

Head unit components	DIN - Material Number
Valve stem	1.4571
Needle tip	Stellite 6
Bellows	1.4571
Bonnet	1.4571
Safety packing	graphite

Explanation of the code designations		
Bellow execution	DN	Bellow type
F	e. g. 8	e. g. P1

The letter 'F' replaces the 'S' or 'N' of the standard type numbers and the bellow type is added.

For example: S350.05.130.09 >>>> F350.05.130.09P1
 S360.03.204 >>>> F360.03.204.00P7

Valves for oxygen service on request.

The bellows are submitted to a 100% Helium leak test.
 Leak rate: 10⁻⁷ mbar l/s.

Montagezubehör / Mounting accessories / Accessoires de montage



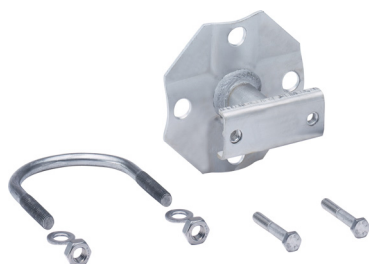
Katalogblatt 8.00
Catalogue page 8.00



Katalogblatt 8.03
Catalogue page 8.03



Katalogblatt 8.06
Catalogue page 8.06



Katalogblatt 8.08
Catalogue page 8.08



Katalogblatt 8.10
Catalogue page 8.10



Katalogblatt 8.12
Catalogue page 8.12

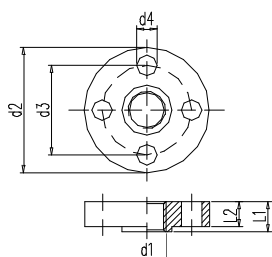


Katalogblatt 8.13
Catalogue page 8.13

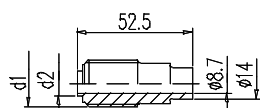


Katalogblatt 8.30
Catalogue page 8.30

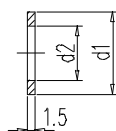
1) see order instruction B4	P = Accessory kit with PTFE flat gasket according to DIN 19 213 (IEC)* - PN 100 (PN 420)* V₁ = Accessory kit with Viton® O-ring according to DIN 19 213 - PN 160 V₂ = Accessory kit with Viton® O-ring according to DIN 19 213 (IEC)* - PN 400 (PN 420)* Accessory kit free of oil and lubricant for oxygen service on request			
	7/16 - 20 UNF Hexagon cap screw acc. to ANSI B 18.2.1 property class 8.8	Socket head cap screw acc. to ANSI B 18.3 property class 12.9	M 10 Hexagon cap screw property class 8.8	Socket head cap screw property class 8.8
2 valve manifold S341.34... S541.34...		P: S006.36.134.05 V₂: S006.56.134.15 2 Screws 7/16-20 UNFx55 2 Washers 1 Seal ring made of PTFE or Viton®		P: S006.35.134 V₁: S006.45.134.10 2 Screws M 10 x 55 2 Washers 1 Seal ring made of PTFE or Viton®
3 valve manifold N341.35... / S341.36... N541.35... / S541.36... N341.85... / 86... N541.85... / 86... 5 valve manifold S341.38... S541.38... Manifold combination N541.37... N541.77... / 87...	P: S006.38.136.02 V₂: S006.58.136.12 4 Screws 7/16-20 UNFx2 1/8" 4 Washers 2 Seal rings made of PTFE or Viton®	P: S006.36.136.07 V₂: S006.56.136.17 4 Screws 7/16-20 UNFx55 4 Washers 2 Seal rings made of PTFE or Viton®	P: S006.37.136 V₁: S006.47.136.10 4 Screws M 10 x 55 4 Washers 2 Seal rings made of PTFE or Viton®	P: S006.35.136.01 V₁: S006.45.136.11 4 Screws M 10 x 55 4 Washers 2 Seal rings made of PTFE or Viton®
2 valve manifold N542.44.180.01 N542.44.480.01	P: S006.38.134.65* V₂: S006.58.134.65* 2 Screws 7/16-20 UNFx1 3/4" 1 Seal ring made of PTFE or Viton®	P: S006.36.134.65* V₂: S006.56.134.65* 2 Screws 7/16-20 UNFx1 3/4" 1 Seal ring made of PTFE or Viton®	P: S006.37.134.65 V₂: S006.57.134.65 2 Screws M 10 x 45 1 Seal ring made of PTFE or Viton®	P: S006.35.134.65 V₂: S006.55.134.65 2 Screws M 10 x 45 1 Seal ring made of PTFE or Viton®
3 valve manifold N542.39.191.01 N542.39.491.01	P: S006.38.139.61* V₂: S006.58.139.61* 4 Screws 7/16-20 UNFx2 5/8" 4 Seal rings made of PTFE or Viton®	P: S006.36.139.61* V₂: S006.56.139.61* 4 Screws 7/16-20 UNFx2 5/8" 4 Seal rings made of PTFE or Viton®	P: S006.37.139.61 V₂: S006.57.139.61 4 Screws M 10 x 65 4 Seal rings made of PTFE or Viton®	P: S006.35.139.61 V₂: S006.55.139.61 4 Screws M 10 x 65 4 Seal rings made of PTFE or Viton®
3 valve manifold N542.46... / 47... Connection transmitter / manifold Connection manifold / process side	P: S006.38.136.01* V₂: S006.58.136.01* 4 Screws 7/16-20 UNFx1" 2 Seal rings made of PTFE or Viton®	P: S006.36.136.01* V₂: S006.56.136.01* 4 Screws 7/16-20 UNFx1" 2 Seal rings made of PTFE or Viton®		
	P: S006.38.136.05 V₂: S006.58.136.05 4 Screws 7/16-20 UNFx1 1/2" 2 Seal rings made of PTFE or Viton® <u>Remark:</u> Accessory kit only in connection with 2 oval flanges or 1 flange adaptor (see catalogue page 8.10)	P: S006.36.136.08 V₂: S006.56.136.08 4 Screws 7/16-20 UNFx1 1/2" 2 Seal rings made of PTFE or Viton®		
3 valve manifold N542.39.181.01 N542.39.481.01 5 valve manifold N542.48...	P: S006.38.136.66* V₂: S006.58.136.66* 4 Screws 7/16-20 UNFx1 3/4" 2 Seal rings made of PTFE or Viton®	P: S006.36.136.66* V₂: S006.56.136.66* 4 Screws 7/16-20 UNFx1 3/4" 2 Seal rings made of PTFE or Viton®	P: S006.37.136.66 V₂: S006.57.136.66 4 Screws M 10 x 45 2 Seal rings made of PTFE or Viton®	P: S006.35.136.66 V₂: S006.55.136.66 4 Screws M 10 x 45 2 Seal rings made of PTFE or Viton®
Multi-way cock S345.06...	P: S006.38.106 4 Screws 7/16-20 UNFx1" 4 Washers 2 Seal rings made of PTFE	P: S006.36.106.02 4 Screws 7/16-20 UNFx1" 4 Washers 2 Seal rings made of PTFE	P: S006.37.106 4 Screws M 10 x 25 4 Washers 2 Seal rings made of PTFE	P: S006.35.106.01 4 Screws M 10 x 25 4 Washers 2 Seal rings made of PTFE



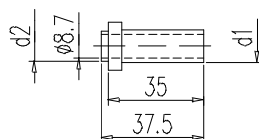
Accessory	Connections						Material	Part no.
	d 1	d 2	d 3	d 4	L 1	L 2		
		[mm]						
Threaded flange DIN 19 207	G 1/2	70	50	11,5	17	14	C 22.8 ¹⁾ 1.4571	S006.21.117 S006.21.217
	G 5/8	90	60	14	20	16	C 22.8 ¹⁾ 1.4571	S006.21.127 S006.21.227



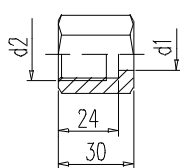
Accessory	Connections		Material	Part no.
	d 1	d 2 [mm]		
Male adaptor DIN 19 207 type V weld end for tube 14 x 2,5 mm	G 1/2	11	C 22.8 ¹⁾ 1.4571	S006.11.117 S006.11.217
	G 5/8	11,5	C 22.8 ¹⁾ 1.4571	S006.11.127 S006.11.227



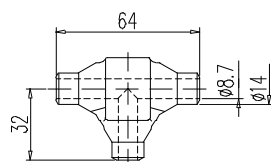
Accessory	Connections		Material	Part no.
	d 1 [mm]	d 2 [mm]		
Grooved gasket	17	11,2	1.4571	S006.23.211 S006.23.212
	20	11,7		



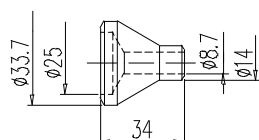
Accessory	Connections [mm]		Material	Part no.
	d 1	d 2		
Nipple DIN 19 207 type V	12	11	1.5415 ¹⁾ 1.4571	S006.02.152 S006.02.252
	14	11	1.5415 ¹⁾ 1.4571	S006.02.157 S006.02.257



Accessory	Connections		Material	Part no.
	d 1 [mm]	d 2		
Union nut DIN 16 284	12,5	G 1/2	C 35 ¹⁾ 1.4571	S006.01.102 S006.01.200
	14,5	G 1/2	C 35 ¹⁾ 1.4571	S006.01.107 S006.01.207

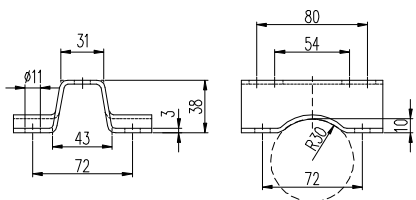


Accessory			Material	Part no.
Welding tee DIN 19 210 with weld ends for tube 14 x 2,5 mm			C 22.8 ¹⁾ 1.7335	S006.40.100 S006.40.101
			1.4571	S006.40.200
			1.5415	S006.40.600

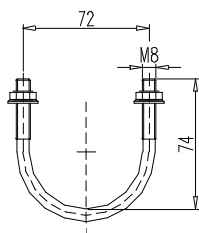


Accessory			Material	Part no.
Reducer with weld ends			1.5415	S006.40.130
			1.7335	S006.40.131
			1.4571	S006.40.230

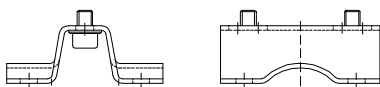
1) phosphatized



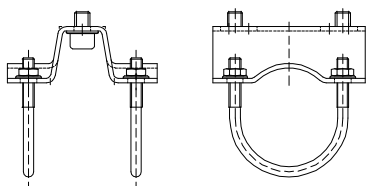
Accessory	Material	Part no.
Mounting bracket for mounting the manifold to a wall, a tube or a rack	galvanized steel	S006.42.100
	hot galvanized steel	S006.42.100.01
	forged steel	S006.42.120
	stainless steel 1.4571	S006.42.200



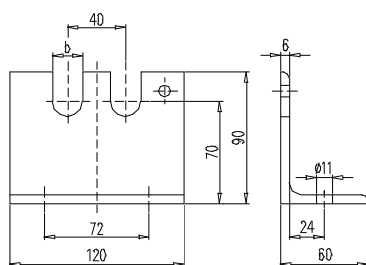
Accessory	Material	Part no.
'U' bolt kit for mounting on 2" NB pipe consisting of: 1 'U' bolt 2 Washers 8,4 DIN 125 2 Hexagon nuts M8	galvanized steel	S006.42.105
	stainless steel 1.4571	S006.42.205



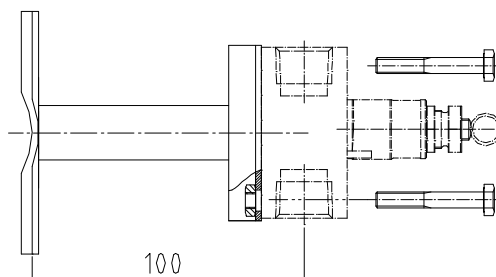
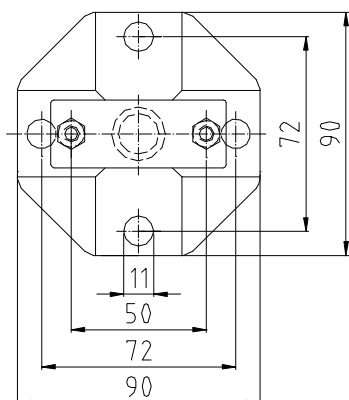
Accessory	Material	Part no.
Accessory kit for mounting the manifold to a wall or a rack consisting of: 1 Mounting bracket 2 Socket head cap screws M 10x14 2 Washers B 10,5 DIN 125	galvanized steel	S006.42.100.02
	stainless steel 1.4571	S006.42.200.02



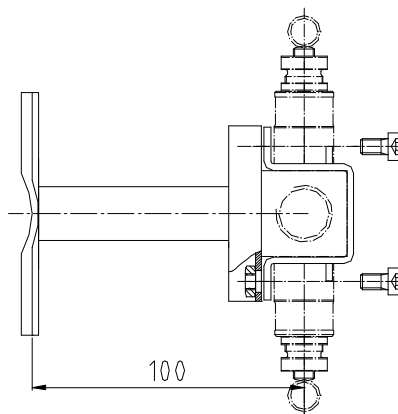
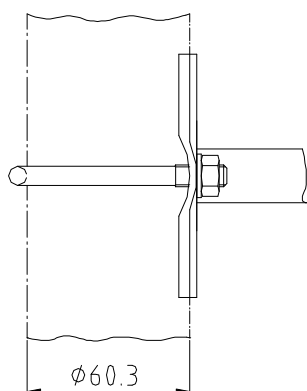
Accessory	Material	Part no.
Accessory kit for mounting the manifold to a 2" NB pipe consisting of: 1 Mounting bracket 2 'U' bolts 74 mm 4 Washers A 8,4 DIN 125 4 Nuts M8 2 Socket head cap screws M 10x14 2 Washers B 10,5 DIN 125	galvanized steel	S006.42.100.04
	stainless steel 1.4571	S006.42.200.04



Accessory	b [mm]	Part no.	
		hot galvanized steel	stainless steel
Mounting bracket for mounting the multi-way cock with bulkhead male connection to a wall or a rack			
line L, for tube O. D. Ø 12 mm	19	S006.42.103.04	S006.42.203.04
line S, for tube O. D. Ø 12 mm	21	S006.42.103.06	S006.42.203.06



Type 1



Type 2

Type	Mounting method	Material	Part no.
1	wall or rack mounting	stainless steel	S 006.12.216.68
2			S 006.12.216.65
1	2" pipe mounting	stainless steel	S 006.12.217.68
2			S 006.12.217.65

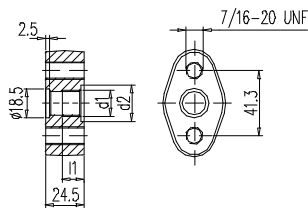
Accessory kit consisting of:

wall or rack mounting	2" pipe mounting
- mounting bracket - screws	- mounting bracket - 'U' bolt (Type 2) - screws - 2" 'U' bolt - washers and nuts

Type 1: Mounting kit for manifolds
catalogue page 4.05, 4.06, 4.10

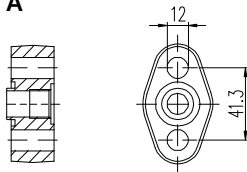
Type 2: Mounting kit for shut-off valves
section 7

IEC 61518 / DIN EN 61518



IEC 61518 / DIN EN 61518

Type A

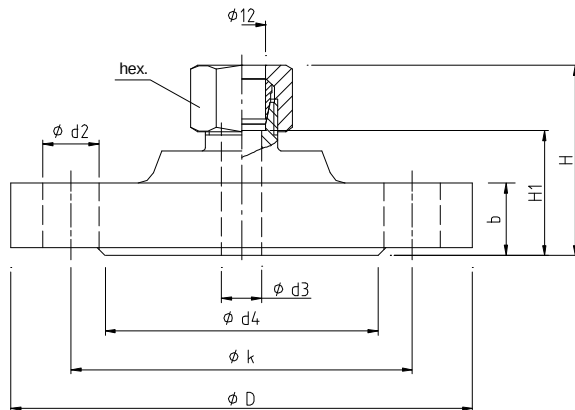


Connections				Material	Part no.
d 1	d 2 [mm]	l 1 [mm]	IEC 61518 / DIN EN 61518 ¹⁾		
G 3/8	23	14	Type A	1.0460	N006.19.156.01
					S006.19.108.01
			Type A	1.4404	N006.19.456.01
					S006.19.408.01
3/8 NPT		10,4	Type A	1.0460	N006.19.156.21
					S006.19.108.21
			Type A	1.4404	N006.19.456.21
					S006.19.408.21
1/2 NPT		13,6	Type A	1.0460	N006.19.156.22
					S006.19.108.22
			Type A	1.4404	N006.19.456.22
					S006.19.408.22

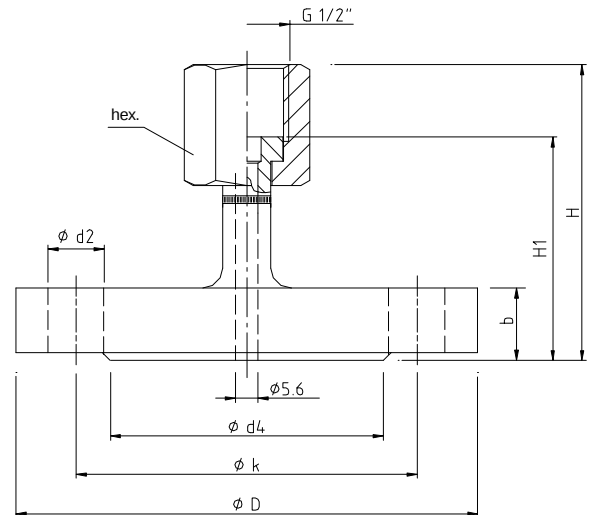
1) Dimensions acc. to IEC 61518 / DIN EN 61518
see order instruction B 4

Type 1

with tube fitting O.D. 12 mm


Type 2

with swivel nut G 1/2

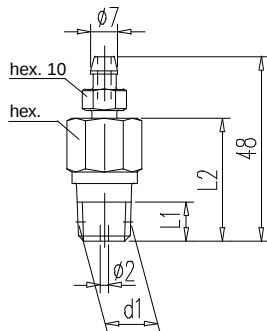


Type	Flange	Outlet	Dimensions [mm]									Material	Part no.
			ØD	b	Øk	H	H1	Ød4	Ød3	n x Ød2	hex.		
1	PN40 DN25 C	12 L	115	18	85	~ 47	31	68	10	4 x 14	22	1.4571	S007.61.202.02
	PN40 DN25 D	12 S	115	18	85	~ 47	30,5	68	9	4 x 14	24	1.4571	S007.61.202.24
	PN63 / 100 / 160 DN25 E	12 S	140	24	100	~ 65	48,5	68	9	4 x 18	24	1.4571	S007.61.202.25
2	PN40 DN25 C	G 1/2	115	18	85	~ 73,5	55,5	68		4 x 14	27	1.4571	S007.61.202.03
	PN40 DN25 D	G 1/2	115	18	85	~ 73,5	55,5	68		4 x 14	27	1.4571	S007.61.202.26
	PN63 / 100 / 160 DN25 E	G 1/2	140	24	100	~ 92	73,5	68		4 x 18	27	1.4571	S007.61.202.27

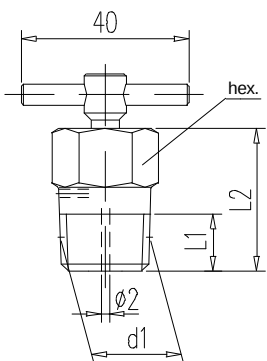
- Flange: die-pressed part

On request:

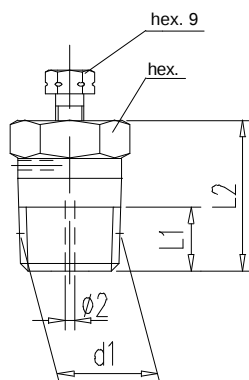
- DIN flanges with different nominal diameters, nominal pressures and flange faces
- Flanges according to ANSI B16.5
- Flanges according to EN 1092-1
- Other materials on request
- Twin ferrule compression fitting on outlet
- Special types
- Available with inspection certificate 3.1.B acc. to EN 10 204



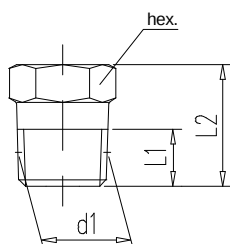
Accessory	Connections				Material	Part no.
	d 1	L 1 [mm]	L 2 [mm]	hex.		
Vent valve with hose nozzle for tube I. D. Ø 7 mm	1/4 NPT	10,2	32	17	1.4571	S312.09.207.12



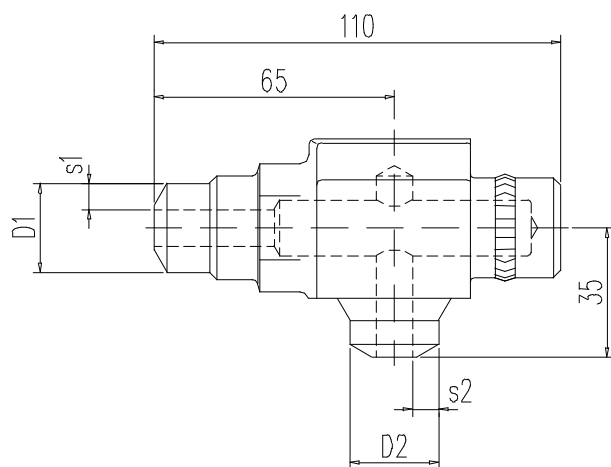
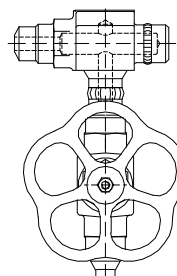
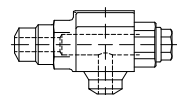
Accessory	Connections				Material	Part no.
	d 1	L 1 [mm]	L 2 [mm]	hex.		
Vent valve	1/4 NPT	10,2	34	19	1.0501	S312.09.105.12
					1.4404	S312.09.405.12
	3/8 NPT	10,4	34	19	1.0501	S312.09.105.13
					1.4404	S312.09.405.13
	1/2 NPT	13,6	34	22	1.0501	S312.09.105.14
					1.4404	S312.09.405.14

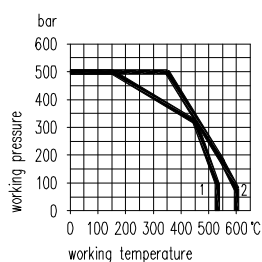


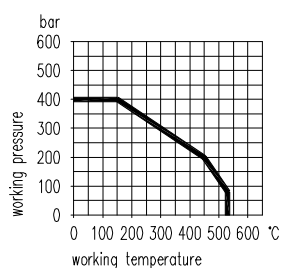
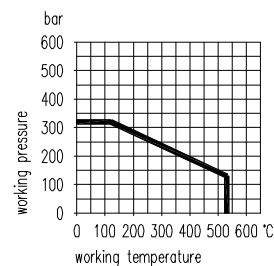
Accessory	Connections				Material	Part no.
	d 1	L 1 [mm]	L 2 [mm]	hex.		
Vent valve	1/4 NPT	10,2	28	14	1.0501	S312.09.105.02
					1.4404	S312.09.405.02
	3/8 NPT	10,4	28	19	1.0501	S312.09.105.03
					1.4404	S312.09.405.03
	1/2 NPT	13,6	32	22	1.0501	S312.09.105.04
					1.4404	S312.09.405.04



Accessory	Connections				Material	Part no.
	d 1	L 1 [mm]	L 2 [mm]	hex.		
Screw plug	1/4 NPT	10,2	22	14	1.0501	S006.14.141.01
					1.4404	S006.14.441.01
	3/8 NPT	10,4	22	19	1.0501	S006.14.141.02
					1.4404	S006.14.441.02
	1/2 NPT	13,6	29	22	1.0501	S006.14.141.03
					1.4404	S006.14.441.03


On request

 condensation chamber
 welded to
 primary isolation valve

 condensation chamber
 with filling connection

PN 500 (DIN 19 211-9C)

 1 1.5415 / 1.7335
 2 1.7380

PN 400

PN 320


Type	Connections [mm]				Nominal content [cm³]	Material ¹⁾	Part no.
	D 1	S 1	D 2	S 2			
DIN 19 211-9C ²⁾	24,0	7,1	24,0	7,1	20	1.5415	S007.51.600.26
						1.7380	S007.51.500.26
						1.7335	S007.51.400.26
PN 320	33,7	4,5	21,3	3,6	35	1.5415	S007.51.780.02
						1.7335	S007.51.680.02
PN 400	21,3	3,6	21,3	3,6	20	1.5415	S007.51.600.16
						1.7335	S007.51.400.16

- Types with special connections and other materials (e. g. 1.4571) on request.

1) Available with inspection certificate 3.1.A. acc. to EN 10 204

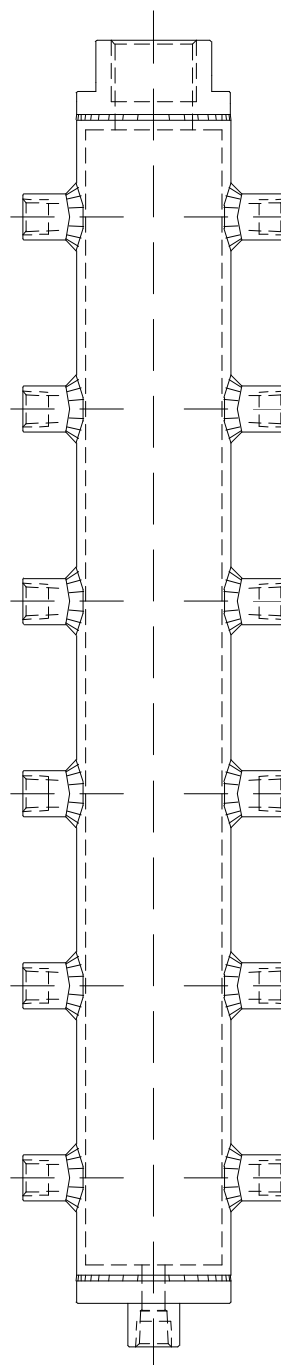
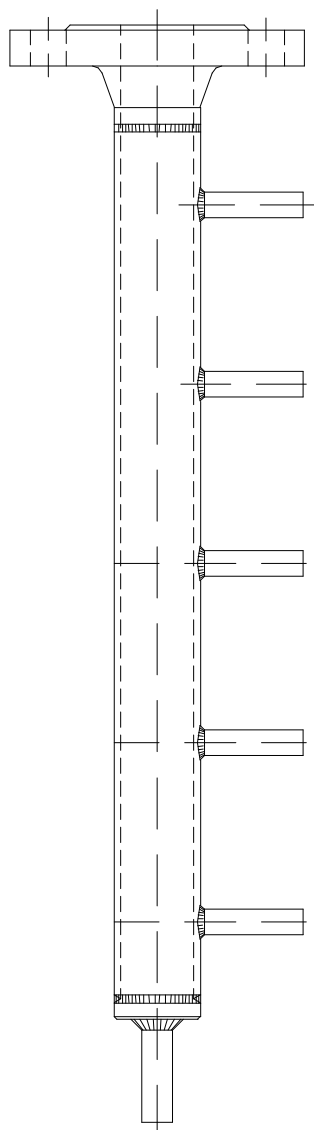
2) Size 8 on request

Luftverteiler / Air headers / Distributeurs d'air



Katalogblatt 8.20
Catalogue page 8.20

Examples



Distributing pipe	Material	Connections	Valves / Cocks
1" (Ø 33,4)	1.4301	number, position and type of the distributor outlet ports as well as dimensions are depending on the raised requirements	shut-off valves
2" (Ø 60,3)	1.4571		quick-acting straight-way valves
	galvanized steel		ball valves cocks

Manometerventile

Pressure gauge valves

Robinets à poiteau pour manomètre



Katalogblatt 9.00
Catalogue page 9.00



Katalogblatt 9.03
Catalogue page 9.03



Katalogblatt 9.05
Catalogue page 9.05



Katalogblatt 9.10
Catalogue page 9.10



Katalogblatt 9.12
Catalogue page 9.12



Katalogblatt 9.15
Catalogue page 9.15



Katalogblatt 9.20
Catalogue page 9.20



Katalogblatt 9.22
Catalogue page 9.22



Katalogblatt 9.25
Catalogue page 9.25



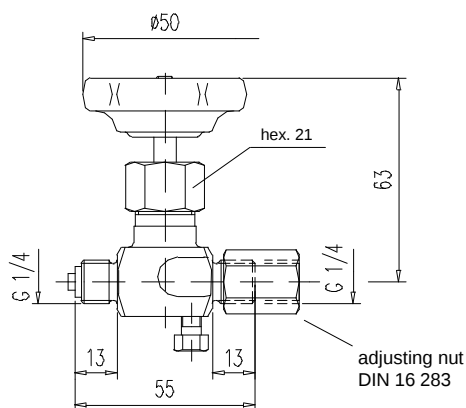
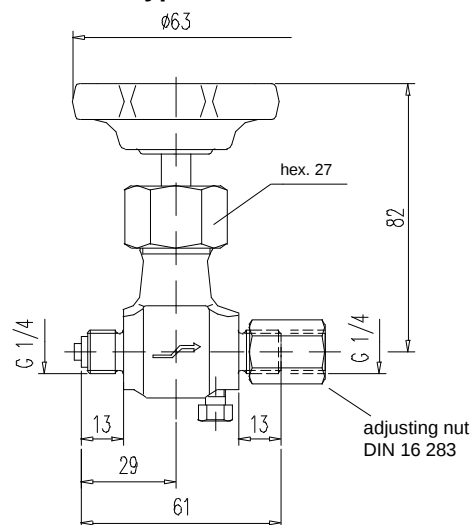
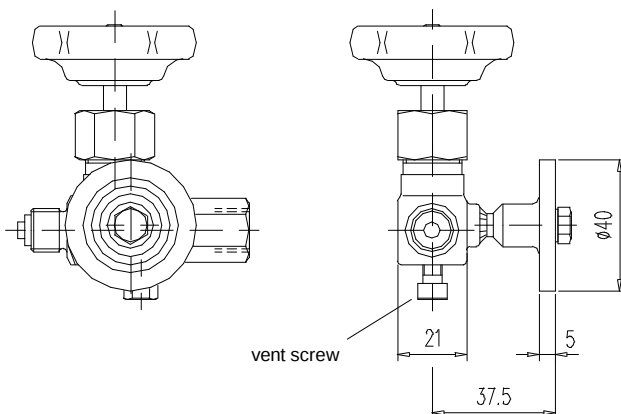
Katalogblatt 9.27
Catalogue page 9.27



Katalogblatt 9.28
Catalogue page 9.28



Katalogblatt 10.25
Catalogue page 10.25

Type 1

Type 2

Type 3

MOUNTING ACCESSORIES see section 10

PN	Type	Material	Temperature rating	Part no.
125	1	brass	- 10 up to + 120°C	S004.12.000
250	2	steel st. st.	- 10 up to + 120°C - 20 up to + 200°C	S004.13.130 S004.13.230
125	3	brass	- 10 up to + 120°C	S004.12.065

Components	Brass ¹⁾	Steel	Stainless steel ¹⁾
	DIN - Material Number		
Body ²⁾	brass	1.0460	1.4571
Valve stem	brass	1.4104	1.4571
Needle tip	brass	1.4104	1.4571
Packing	PTFE		
Union nut	brass	steel	stainless steel
Adjusting nut	brass	steel	stainless steel
Vent screw	1.4571		
Handwheel	plastic		

- **Body:** brass: pressed part
steel / stainless steel: die-pressed part

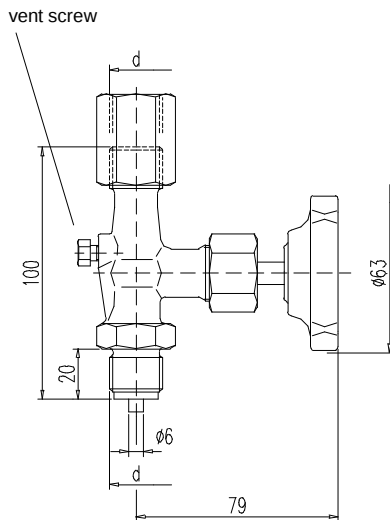
- **Surface:** steel phosphatized

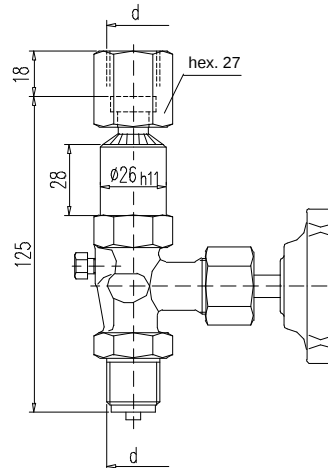
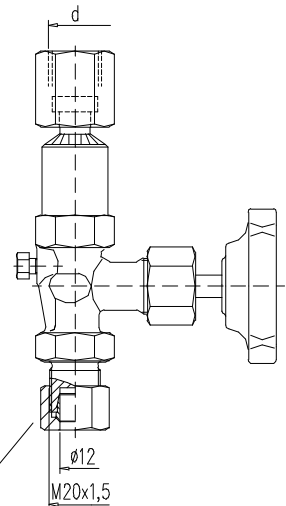
- Internal stem thread

1) Can also be supplied for oxygen service.
Please notice order instruction B 3!

2) Available with inspection certificate 3.1.B
acc. to EN 10 204

Design A

 with adjusting nut
 DIN 16 283

Design B

 with swivel nut and shaft for
 pressure gauge support

Design B - AS12

 tube fitting
 O. D. 12 mm
 line S

Please note: Pressure gauge valves with thread 1/2 NPT
 see catalogue page 9.27

MOUNTING ACCESSORIES see section 10

PN ³⁾	Connection thread d	Material	Part no.		
			Design A	Design B	Design B-AS12
250	G 1/2	brass	S004.16.000	S004.16.020	S004.16.020.13
400		steel	S004.16.100	S004.16.120	S004.16.120.13
400		st. st.	S004.16.200	S004.16.220	S004.16.220.13
250	M 20x1,5	brass	S004.16.050	-	-
400		steel	S004.16.150	-	-
400		st. st.	S004.16.250	-	-

Components	Brass ¹⁾	Steel	Stainless steel ¹⁾
	DIN - Material Number		
Body ²⁾	brass	1.0460	1.4571
Valve stem	1.4104		1.4571
Needle tip	1.4104		1.4571
Packing	PTFE up to 200°C (graphite up to 250°C)		
Union nut	steel		stainless steel
Adjusting nut	steel		stainless steel
Swivel nut	brass	steel	stainless steel
Vent screw	1.4571		
Handwheel	plastic		

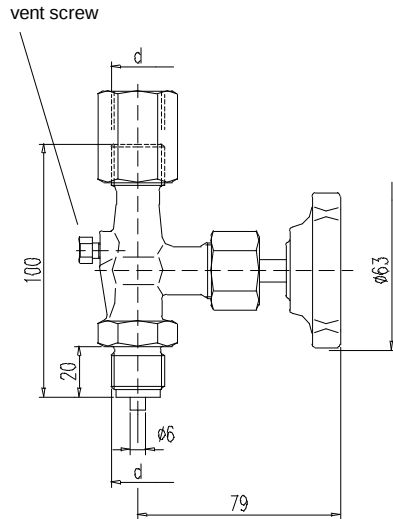
Abbreviation acc. to DIN	Material	Temperature rating
10 Ms	brass	- 10 up to + 120°C
10 St	steel	- 10 up to + 120°C
20 St	stainless steel	- 20 up to + 200/250°C

- **Body:** brass: pressed part
steel / stainless steel: die-pressed part
- **Surface:** steel phosphatized
- Internal stem thread
- Stem with cold rolled surface and non-rotating needle tip

- 1) Can also be supplied for oxygen service.
Please notice order instruction B 3!
- 2) Available with inspection certificate 3.1.B acc. to EN 10 204
- 3) Valves with PN 640 on request

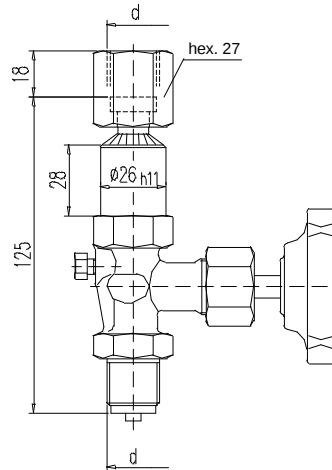
Design A

with adjusting nut
DIN 16 283

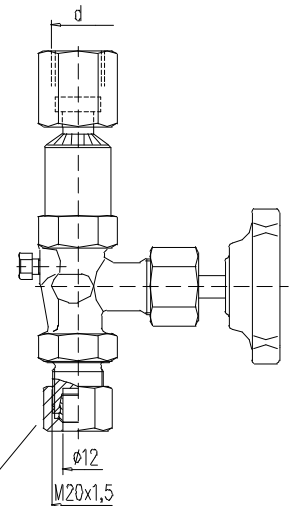


Design B

with swivel nut and shaft for
pressure gauge support



Design B - AS12



tube fitting
O. D. 12 mm
line S

D V G W - Registration

DVGW-Register-No.

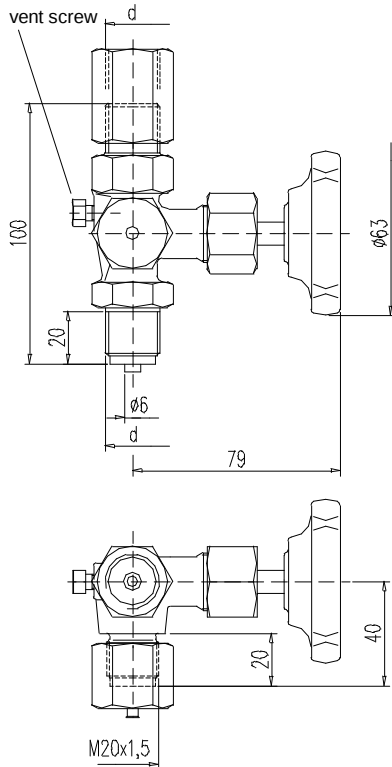
DG-4315AO0764

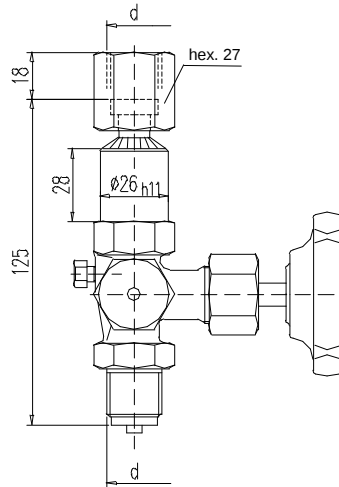
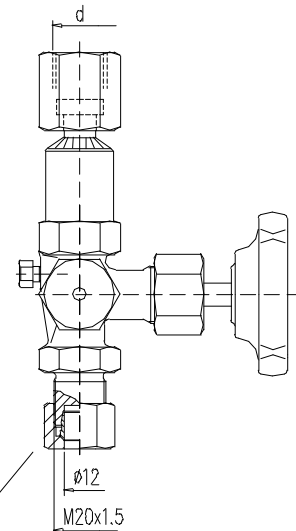
PN	Connection thread d	Material	Part no.		
			Design A	Design B	Design B-AS12
100	G 1/2	brass steel st. st.	S004.26.000 S004.26.100 S004.26.200	S004.26.020 S004.26.120 S004.26.220	- S004.26.120.13 S004.26.220.13

Components	Brass	Steel	Stainless steel
	DIN - Material Number		
Body	brass	1.0460	1.4571
Valve stem	1.4104		1.4571
Needle tip	1.4104		1.4571
O-rings	FPM (Viton®)		
O-ring retainer	brass		1.4571
Union nut	galv. steel		stainless steel
Adjusting nut	brass	steel	stainless steel
Swivel nut	brass	steel	1.4571
Vent screw	1.4571		
Handwheel	plastic		

- **Body:** brass: pressed part
steel / stainless steel: die-pressed part
- **Surface:** steel phosphatized
- Internal stem thread
- Stem with rolled surface and non-rotating needle tip
- Max. operating pressure: 100 bar
Temperature: - 10°C up to + 70°C
- DVGW tested in accordance with DIN 3537 part 1
- For all kinds of gas in accordance with DVGW-list number G 260
- Available with inspection certificate 3.1.B acc. to EN 10 204

Design A

 with adjusting nut
 DIN 16 283

Design B

 with swivel nut and shaft for
 pressure gauge support

Design B - AS12

 tube fitting
 O. D. 12 mm
 line S

Please note: Pressure gauge valves with thread 1/2 NPT
 see catalogue page 9.27

MOUNTING ACCESSORIES see section 10

PN ³⁾	Connection thread d	Material	Part no.		
			Design A	Design B	Design B-AS12
250	G 1/2	brass	S004.17.000	S004.17.020	S004.17.020.13
400		steel	S004.17.100	S004.17.120	S004.17.120.13
400		st. st.	S004.17.200	S004.17.220	S004.17.220.13
250	M 20x1,5	brass	S004.17.050	-	-
400		steel	S004.17.150	-	-
400		st. st.	S004.17.250	-	-

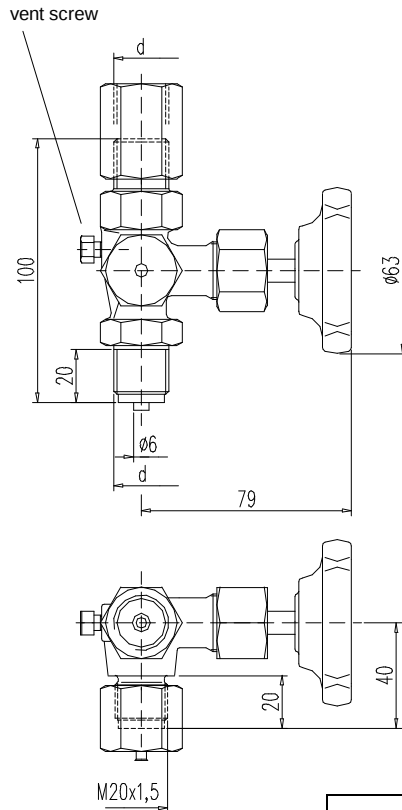
Components	Brass ¹⁾	Steel	Stainless steel ¹⁾
	DIN - Material Number		
Body ²⁾	brass	1.0460	1.4571
Valve stem	1.4104		1.4571
Needle tip	1.4104		1.4571
Packing	PTFE up to 200°C (graphite up to 250°C)		
Sealing cap	steel	stainless steel	
Union nut	steel	stainless steel	
Adjusting nut	steel	stainless steel	
Swivel nut	brass	steel	stainless steel
Vent screw	1.4571		
Handwheel	plastic		

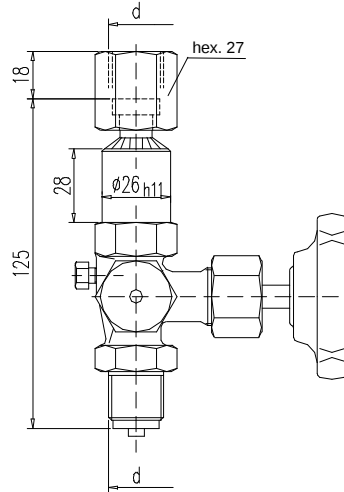
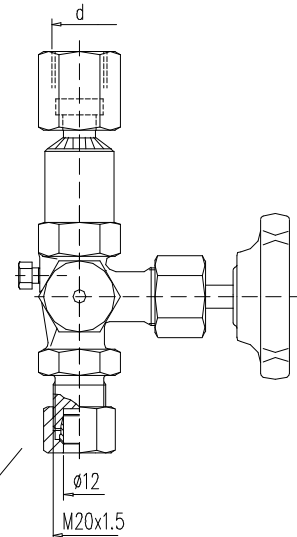
Abbreviation acc. to DIN	Material	Temperature rating
10 Ms	brass	- 10 up to + 120°C
10 St	steel	- 10 up to + 120°C
20 St	stainless steel	- 20 up to + 200/250°C

- **Body:** brass: pressed part
steel / stainless steel: die-pressed part
- **Surface:** steel phosphatized
- Internal stem thread
- Stem with cold rolled surface and non-rotating needle tip

- 1) Can also be supplied for oxygen service.
Please notice order instruction B 3!
- 2) Available with inspection certificate 3.1.B
acc. to EN 10 204
- 3) Valves with PN 640 on request

Design A

with adjusting nut
DIN 16 283

Design B

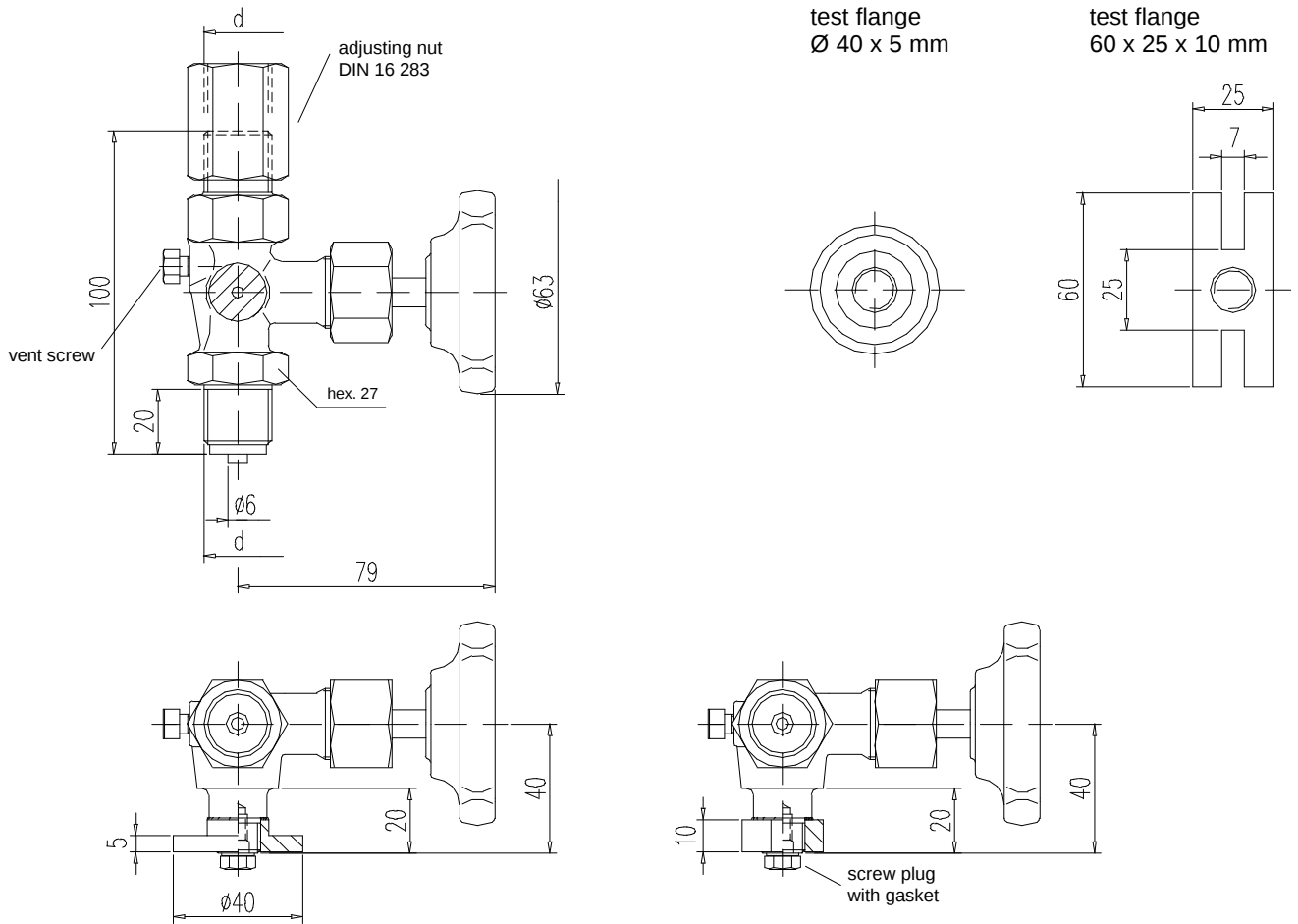
with swivel nut and shaft for
pressure gauge support

Design B - AS12

tube fitting
O. D. 12 mm
line S

D V G W - Registration
DVGW-Register-No.
DG-4315AO0765

PN	Connection thread d	Material	Part no.		
			Design A	Design B	Design B-AS12
100	G 1/2	brass	S004.27.000	S004.27.020	-
		steel	S004.27.100	S004.27.120	S004.27.120.13
		st. st.	S004.27.200	S004.27.220	S004.27.220.13

Components	Brass	Steel	Stainless steel
	DIN - Material Number		
Body	brass	1.0460	1.4571
Valve stem	1.4104		1.4571
Needle tip	1.4104		1.4571
O-rings	FPM (Viton®)		
O-ring retainer	brass		1.4571
Sealing cap	galv. steel		stainless steel
Union nut	galv. steel		stainless steel
Adjusting nut	brass	steel	stainless steel
Swivel nut	brass	steel	1.4571
Vent screw	1.4571		
Handwheel	plastic		

- **Body:** brass: pressed part
steel / stainless steel: die-pressed part
- **Surface:** steel phosphatized
- Internal stem thread
- Stem with colled rolled surface and non-rotating needle tip
- Max. operating pressure: 100 bar
Temperature: - 10°C bis + 70°C
- DVGW tested in accordance with DIN 3537 part 1
- For all kinds of gas in accordance with DVGW-list number G 260
- Available with inspection certificate 3.1.B acc. to EN 10 204


MOUNTING ACCESSORIES see section 10

PN	Connection thread d	Material	Part no. with test flange	
			Ø 40 x 5 mm	60 x 25 x 10 mm
250	G 1/2	brass	S 004.17.060	S 004.17.070
400		steel	S 004.17.160	S 004.17.170
400		st. st.	S 004.17.260	S 004.17.270

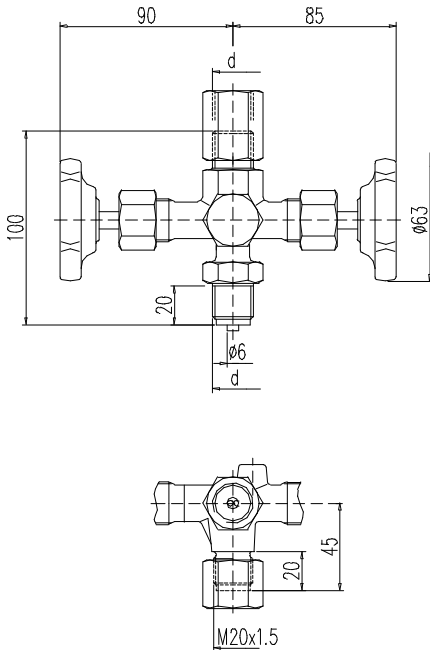
Components	Brass ¹⁾	Steel	Stainless steel ¹⁾
	DIN - Material Number		
Body ²⁾	brass	1.0460	1.4571
Flange	brass	steel	1.4571
Valve stem	1.4104		1.4571
Needle tip	1.4104		1.4571
Packing	PTFE up to 200°C		
Union nut	steel		stainless steel
Adjusting nut	steel		stainless steel
Sealing cap	steel		1.4571
Vent screw	1.4571		
Handwheel	plastic		

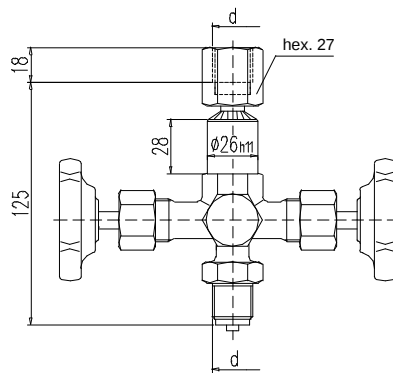
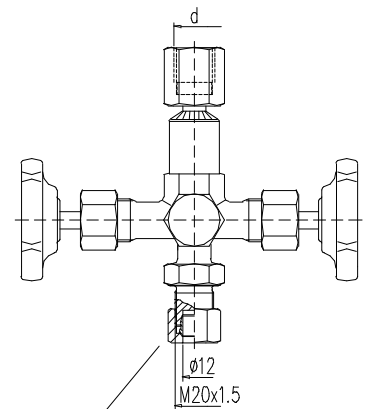
- **Body:** brass: pressed part
steel / stainless steel: die-pressed part
- **Surface:** steel phosphatized
- Internal stem thread
- Stem with cold rolled surface and non-rotating needle tip

1) Can also be supplied for oxygen service.
Please notice order instruction B 3!

2) Available with inspection certificate 3.1.B
acc. to EN 10 204

Design A

 with adjusting nut
 DIN 16 283

Design B

 with swivel nut and shaft for
 pressure gauge support

Design B - AS12

 tube fitting
 O. D. 12 mm
 line S

Please note: Pressure gauge valves with thread 1/2 NPT
 see catalogue page 9.27

MOUNTING ACCESSORIES see section 10

PN ³⁾	Connection thread d	Material	Part no.		
			Design A	Design B	Design B-AS12
250 400 400	G 1/2	brass	S004.60.000	S004.60.020	S004.60.020.13
		steel	S004.60.100	S004.60.120	S004.60.120.13
		st. st.	S004.60.200	S004.60.220	S004.60.220.13
250 400 400	M 20x1,5	brass	S004.60.050	-	-
		steel	S004.60.150	-	-
		st. st.	S004.60.250	-	-

Components	Brass ¹⁾	Steel	Stainless steel ¹⁾
	DIN - Material Number		
Body ²⁾	brass	1.0460	1.4571
Valve stem	1.4104		1.4571
Needle tip	1.4104		1.4571
Packing	PTFE up to 200°C (graphite up to 250°C)		
Union nut	steel		stainless steel
Adjusting nut	steel		stainless steel
Swivel nut	brass	steel	stainless steel
Handwheel	plastic		

Abbreviation acc. to DIN	Material	Temperature rating
10 Ms	brass	- 10 up to + 120°C
10 St	steel	- 10 up to + 120°C
20 St	stainless steel	- 20 up to + 200/250°C

- **Body:** brass: pressed part
 steel / stainless steel: die-pressed part

- **Surface:** steel phosphatized

- Internal stem thread

- Stem with cold rolled surface and non-rotating needle tip

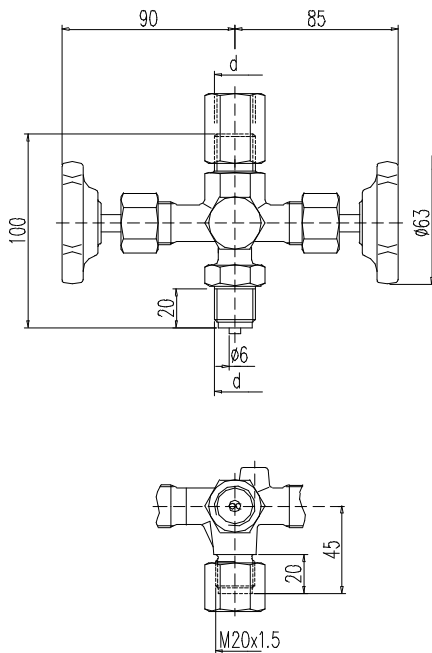
1) Can also be supplied for oxygen service.
 Please notice order instruction B 3!

2) Available with inspection certificate 3.1.B
 acc. to EN 10 204

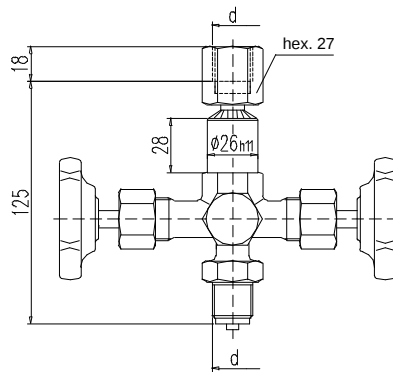
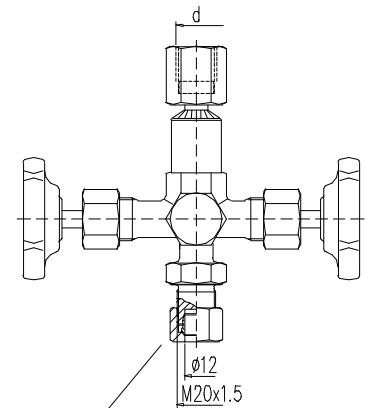
3) Valves with PN 640 on request

Design A

with adjusting nut
DIN 16 283


Design B

with swivel nut and shaft for
pressure gauge support


Design B - AS12


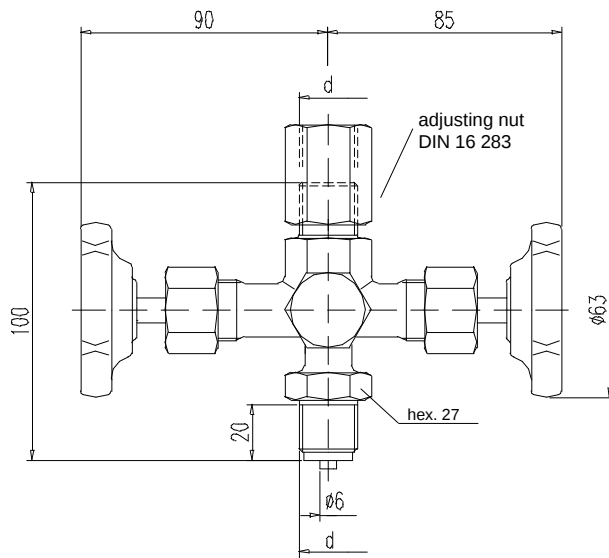
tube fitting
O. D. 12 mm
line S

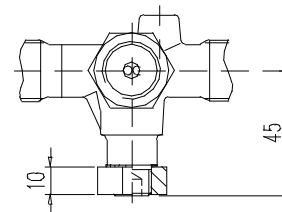
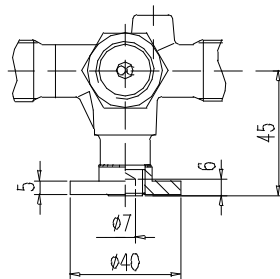
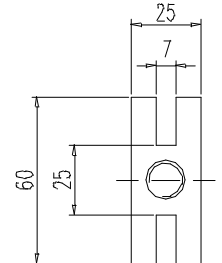
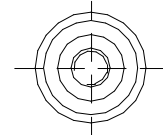
D V G W - Registration
DVGW-Register-No.
DG-4315AO0766

PN	Connection thread d	Material	Part no.		
			Design A	Design B	Design B-AS12
100	G 1/2	brass	S004.80.000	S004.80.020	-
		steel	S004.80.100	S004.80.120	S004.80.120.13
		st. st.	S004.80.200	S004.80.220	S004.80.220.13

Components	Brass	Steel	Stainless steel
	DIN - Material Number		
Body	brass	1.0460	1.4571
Valve stem	1.4104		1.4571
Needle tip	1.4104		1.4571
O-rings	FPM (Viton®)		
O-ring retainer	brass		1.4571
Union nut	steel galv.		stainless steel
Swivel nut	brass	steel	1.4571
Adjusting nut	brass	steel	stainless steel
Handwheel	plastic		

- **Body:** brass: pressed part
steel / stainless steel: die-pressed part
- **Surface:** steel phosphatized
- Internal stem thread
- Stem with colled rolled surface and non-rotating needle tip
- Max. operating pressure: 100 bar
Temperature: - 10°C bis + 70°C
- DVGW tested in accordance with DIN 3537 part 1
- For all kinds of gas in accordance with DVGW-list number G 260
- Available with inspection certificate 3.1.B acc. to EN 10 204


 test flange
 Ø 40 x 5 mm

 test flange
 60 x 25 x 10 mm


MOUNTING ACCESSORIES see section 10

PN	Connection thread d	Material	Part no. with test flange	
			Ø 40 x 5 mm	60 x 25 x 10 mm
250	G 1/2	brass	S004.62.000	S004.61.000
400		steel	S004.62.100	S004.61.100
400		st. st.	S004.62.200	S004.61.200

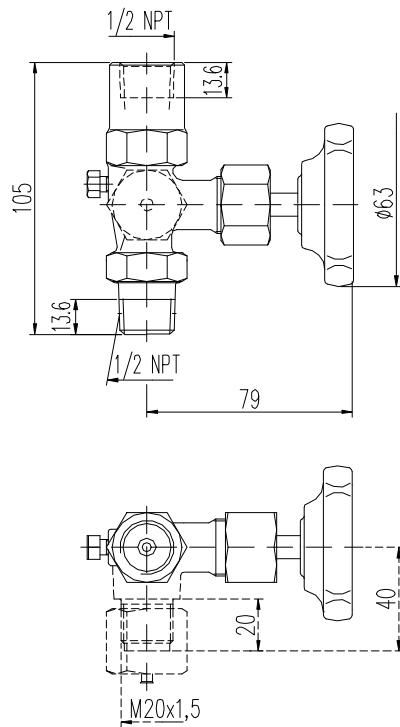
Components	Brass ¹⁾	Steel	Stainless steel ¹⁾
	DIN - Material Number		
Body ²⁾	brass	1.0460	1.4571
Flange	brass	steel	1.4571
Valve stem	1.4104		1.4571
Needle tip	1.4104		1.4571
Packing	PTFE up to 200°C		
Union nut	steel		stainless steel
Adjusting nut	steel		stainless steel
Handwheel	plastic		

- **Body:** brass: pressed part
steel / stainless steel: die-pressed part
- **Surface:** steel phosphatized
- Internal stem thread
- Stem with cold rolled surface and non-rotating needle tip

- 1) Can also be supplied for oxygen service. Please notice order instruction B 3!
- 2) Available with inspection certificate 3.1.B acc. to EN 10 204

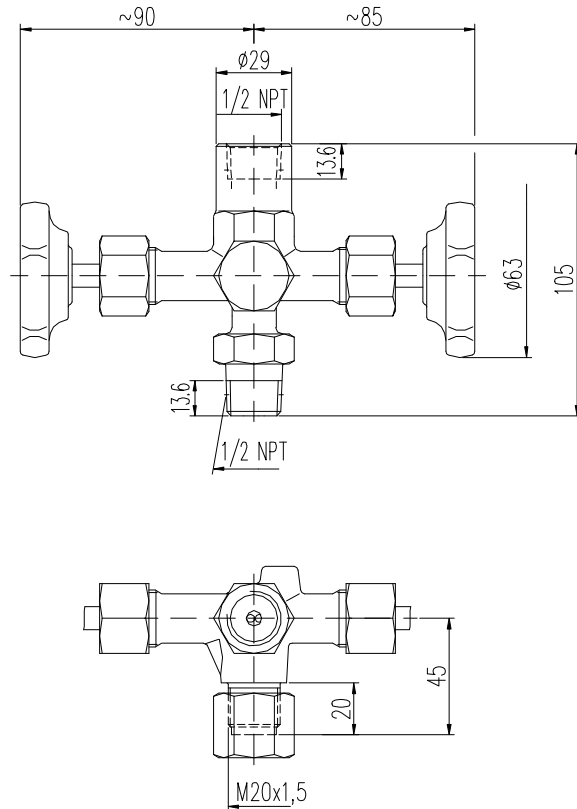
Type 1

Pressure gauge valve without
alternative with test connection



Type 2

Double pressure gauge valve
with test connection



MOUNTING ACCESSORIES see section 10

PN	Connection thread d	Material	Part no.		
			without	Type 1 with test connection M 20 x 1,5	Type 2 with
400	1/2 NPT	steel st. st.	S004.16.183 S004.16.283	S004.17.135.02 ³⁾ S004.17.235.02 ³⁾	S004.60.135.02 S004.60.235.02

Components	Steel	Stainless steel ¹⁾
	DIN - Material Number	
Body ²⁾	1.0460	1.4571
Valve stem	1.4104	1.4571
Needle tip	1.4104	1.4571
Packing	PTFE up to 200°C	
Union nut	steel	stainless steel
Vent screw	1.4571	
Handwheel	plastic	

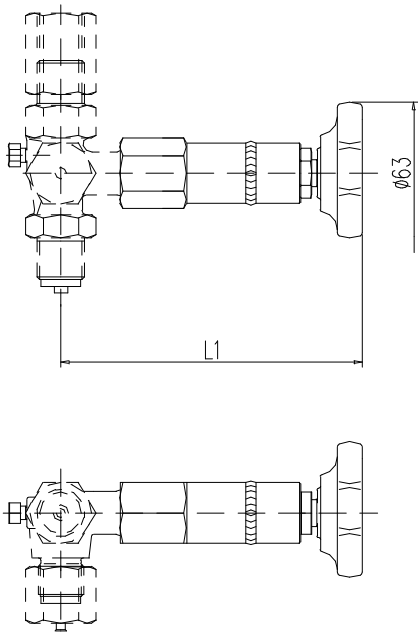
- Body: die-pressed part
- Surface: steel phosphatized
- Internal stem thread
- Stem with cold rolled surface and non-rotating needle tip
- Valves with alternative test connections optional

1) Can also be supplied for oxygen service.
Please notice order instruction B 3!

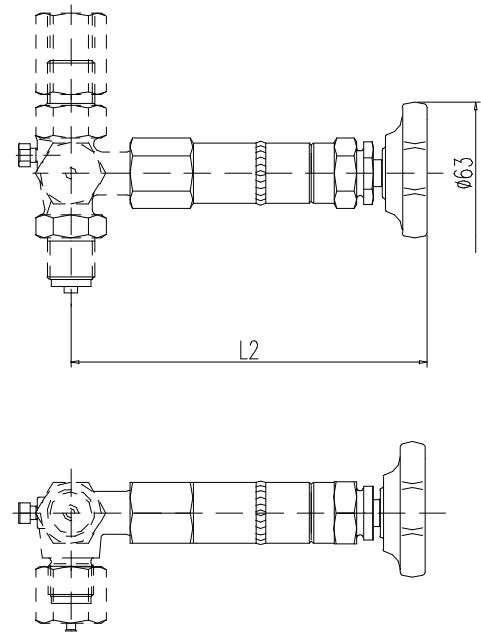
2) Available with inspection certificate 3.1.B
acc. EN 10 204

3) With protecting cap and sealing lense

without safety packing (P1 to P3)

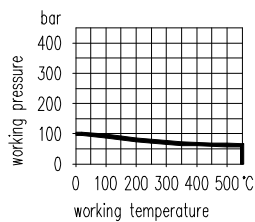


with safety packing (P5 to P7)

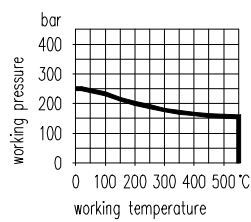


Pressure / temperature ratings based on head unit:

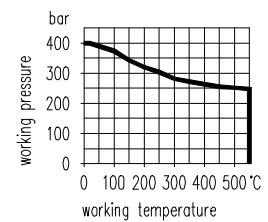
PN 100



PN 250



PN 400



Bellow type	Dimensions [mm]		Code designation for head unit without with safety packing	
	L1	L2	DN 4	DN 4
PN 100	134	157	F4 P1	F4 P5
PN 250	163	186	F4 P2	F4 P6
PN 400	179	202	F4 P3	F4 P7

Head unit components	DIN - Material Number
Valve stem	1.4571
Needle tip	Stellite 6
Bellow	1.4571
Bonnet	1.4571
Safety packing	graphite

Explanation of the code designation		
Bellow execution	DN	Bellow type
F	4	e. g. P3

The letter 'F' replaces the 'S' or 'N' of the standard type numbers and the bellow type is added.

For example: S004.17.200 >>>> F004.17.200.00P1
S004.16.220 >>>> F004.16.220.00P2

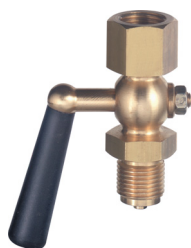
Valves for oxygen service on request.

The bellows are submitted to a 100% Helium leak test.
Leak rate: 10⁻⁷ mbar l/s.

Manometerhähne
Pressure gauge cocks
Robinets à boisseau pour manomètre



Katalogblatt 9.30
Catalogue page 9.30



Katalogblatt 9.32
Catalogue page 9.32



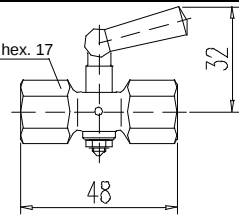
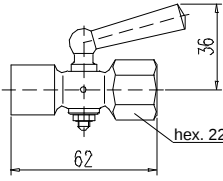
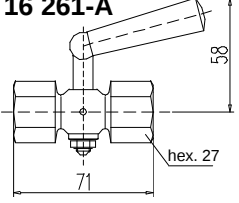
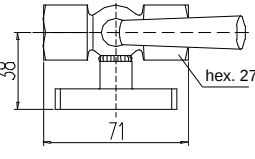
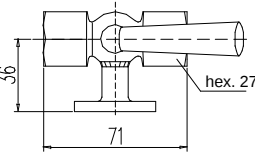
Katalogblatt 9.34
Catalogue page 9.34



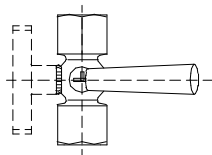
Katalogblatt 9.36
Catalogue page 9.36



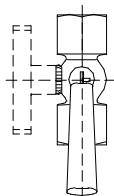
Katalogblatt 9.38
Catalogue page 9.38

Type	Connection thread	PN	Material	Part no.	Remarks
	G 1/4	6	brass	S003.24.000	
	G 3/8	16	brass	S003.58.000	
DIN 16 261-A 	G 1/2	25	brass	S003.13.000	
	G 1/2	25	stainless steel	S003.13.200	
	G 1/2	25	brass	S003.16.000	with test flange 60 x 25 x 10 mm
	G 1/2	25	brass	S003.46.000	with test flange Ø 40 x 5 mm

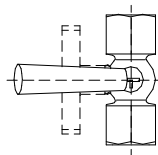
The operating positions are engraved on the plug:



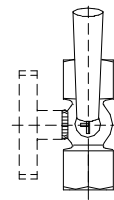
vent



operate



purge



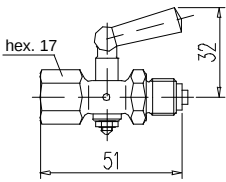
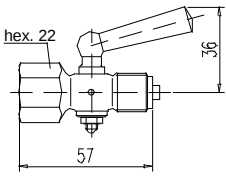
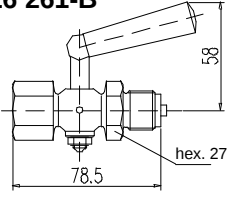
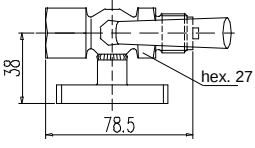
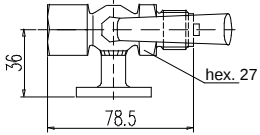
test
(only cock with
test connection)

- Range of application:

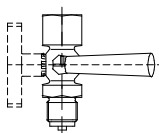
For liquids, gas or steam, from - 10°C up to + 50°C

For pressure gauges with sealing washer according to DIN 16 258

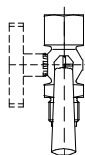
- Plastic handle

Type	Connection thread	PN	Material	Part no.	Remarks
	G 1/4	6	brass	S003.27.000	
	G 3/8	16	brass	S003.59.000	
DIN 16 261-B 	G 1/2	25	brass	S003.15.000	
	G 1/2	25	stainless steel	S003.15.200	
	G 1/2	25	brass	S003.17.000	with test flange 60 x 25 x 10 mm
	G 1/2	25	brass	S003.47.000	with test flange Ø 40 x 5 mm

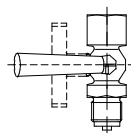
The operating positions are engraved on the plug:



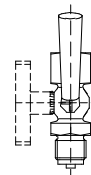
vent



operate



purge



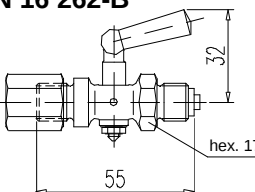
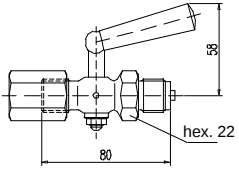
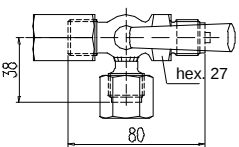
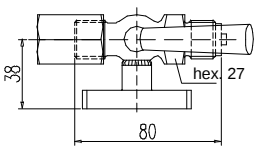
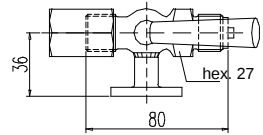
test
(only cock with
test connection)

- Range of application:

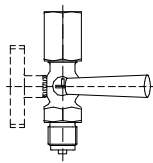
For liquids, gas or steam, from - 10°C up to + 50°C

For pressure gauges with sealing washer according to DIN 16 258

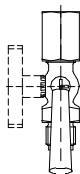
- Plastic handle

Type	Connection thread	PN	Material	Part no.	Remarks
DIN 16 262-B 	G 1/4	6	brass	S003.42.000	
DIN 16 262-A 	G 1/2	25	brass steel stainless steel	N003.30.000 S003.30.100 S003.30.200	
DIN 16 263-A 	G 1/2	25	brass steel stainless steel	N003.31.000 S003.31.100 S003.31.200	with test connection M 20 x 1,5 and protecting cap D DIN 16 287
	G 1/2	25	brass steel stainless steel	N003.36.000 S003.36.100 S003.36.200	with test flange 60 x 25 x 10 mm
	G 1/2	25	brass	N003.38.000	with test flange Ø 40 x 5 mm

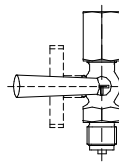
The operating positions are engraved on the plug:



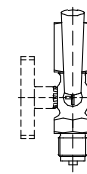
vent



operate



purge

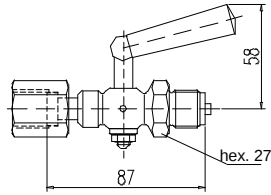
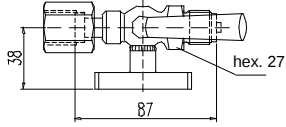
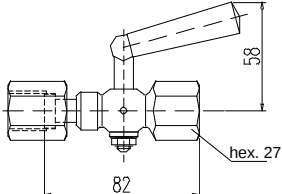
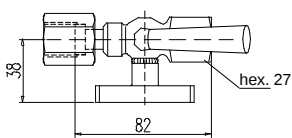

 test
 (only cock with
 test connection)

- **Range of application:**

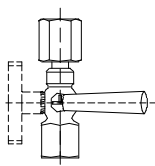
For liquids, gas or steam, from - 10°C up to + 50°C
 For pressure gauges with sealing washer according to DIN 16 258

- Plastic handle

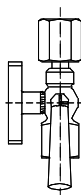
- **Please note:** The types made of brass have an adjusting nut and a protecting cap made of phosphatized steel.

Type	Connection thread	PN	Material	Part no.	Remarks
	G 1/2	25	brass	N003.19.000	
	G 1/2	25	brass	N003.14.000	with test flange 60 x 25 x 10 mm
	G 1/2	25	brass	S003.22.000	
	G 1/2	25	brass	S003.18.000	with test flange 60 x 25 x 10 mm

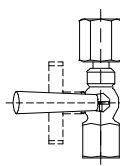
The operating positions are engraved on the plug:



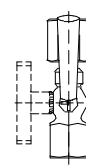
vent



operate



purge

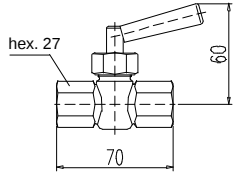
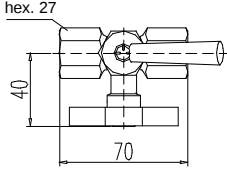
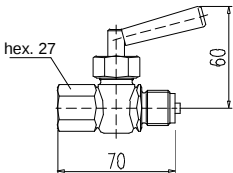


test
(only cock with
test connection)

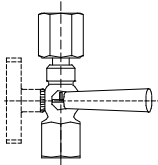
- Range of application:

For liquids, gas or steam, from - 10°C up to + 50°C
For pressure gauges with sealing washer according to DIN 16 258

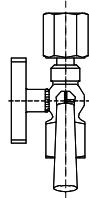
- Plastic handle

Type	Connection thread	PN	Material	Part no.	Remarks
	G 1/2	25	brass	N003.09.000	
	G 1/2	25	brass	N003.09.070.01	with test flange 60 x 25 x 10 mm
	G 1/2	25	brass	S003.10.000	

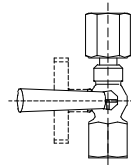
The operating positions are engraved on the plug:



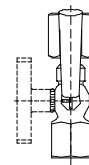
vent



operate



purge



test
(only cock with
test connection)

- Range of application:

For liquids, gas or steam, from - 10°C up to + 50°C
For pressure gauges with sealing washer according to DIN 16 258

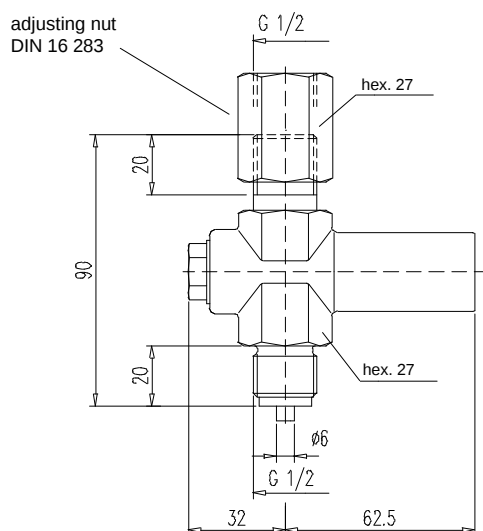
- Plastic handle

Überdruckschutzvorrichtungen
Gauge protectors
Limiteurs de pression

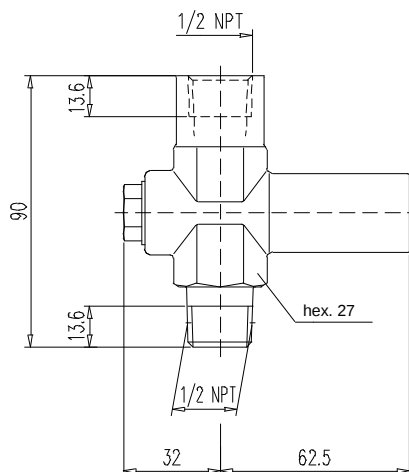


Katalogblatt 10.00
Catalogue page 10.00

Type 1



Type 2



			Adjusting range in bar						
			0,4 - 2,5	2 - 6	5 - 25	20 - 60	50 - 250	240 - 400	400 - 600
Type	Connection ³⁾	Material	Part no.						
1	G 1/2	brass	S005.50.001	S005.50.002	S005.50.003	S005.50.004	S005.50.005	S005.50.006	S005.50.007
		st. st.	S005.50.201	S005.50.202	S005.50.203	S005.50.204	S005.50.205	S005.50.206	S005.50.207
2	1/2 NPT	brass	S005.50.021	S005.50.022	S005.50.023	S005.50.024	S005.50.025	-	-
		st. st.	S005.50.221	S005.50.222	S005.50.223	S005.50.224	S005.50.225	S005.50.226	-

D V G W - Registration (only for type 1 up to 400 bar)

DVGW-Register-No. DG-4515AO0762

The part numbers for types with DVGW-registration have to be complete with **.00DV**
(e. g. adjusting range 240 - 400 bar S005.50.206.**.00DV**).

Material	Max. overpressure	Low pressure range
brass	600 bar	max. load up to -1 bar, not adjustable
stainless steel	1000 bar	

Components	Brass	Stainless steel ¹⁾
	DIN - Material Number	
Body ²⁾	brass	1.4571
Piston	1.4571	
Adjusting nut	steel ⁴⁾	1.4571
Packing	FPM (Viton®) ⁵⁾	
Screw plug	brass	1.4571

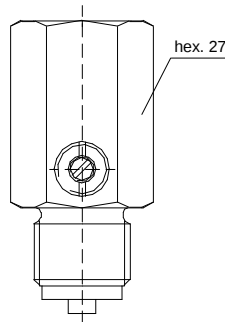
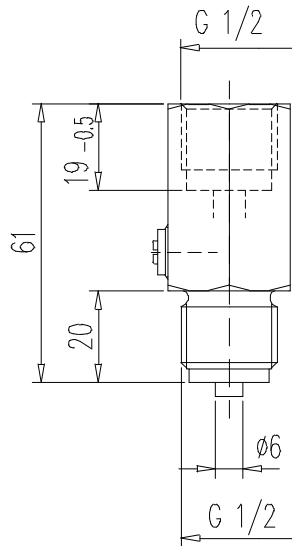
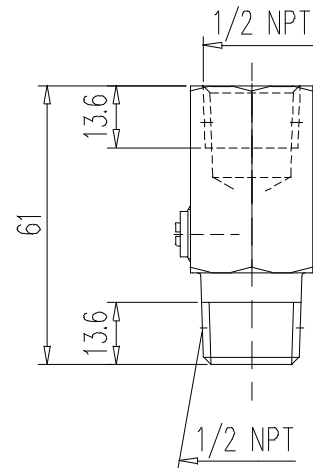
- **Body:** brass: pressed part
stainless steel: die-pressed part
- **Application:**
Gauge protectors close at a set point protecting gauges from overrange pressures.
- **Function:**
By reaching the adjusted pressure, the valve closes automatically and blocks the flow to the pressure instrument. After decrease of pressure by about 25 % below the closing pressure, the valve opens again.
- **Max. temperature:** 80°C
(60°C for type S005.50.001.00DV / 201.00DV)

- 1) Available with inspection certificate 3.1.B acc. to EN 10 204
- 2) Can also be supplied for oxygen application, free of oil and lubricant (Please notice order instruction B 3!)
- 3) Other connection types on request
- 4) DVGW-type made of brass
- 5) DVGW-type diaphragm made of NBR

**Stoßminderer
Gauge snubber
Raccords amortisseurs**



Katalogblatt 10.05
Catalogue page 10.05

Type 1

Type 2


Type	Material	Connection thread ¹⁾	Part no.
1	brass steel st. st.	G 1/2	S005.10.000 S005.10.100 S005.10.200
2	brass st. st.	1/2 NPT	S005.10.010 S005.10.210

Components	Brass	Steel	Stainless steel
	DIN - Material Number		
Body ²⁾	brass	steel	1.4571
Screw plug	brass	steel	1.4571
O-ring	NBR		FPM (Viton®)
Adjusting stem	1.4404		

- Surface: steel phosphatized

- Max. temperature: 120°C

1) Also available with connection thread G 1/4, G 3/8 and 1/4 NPT

2) The brass and stainless steel types can be supplied for oxygen service. Please notice order instruction B 3! max. 400 bar at 60°C

Zubehör für Druckmeßgeräte Pressure instrument accessories Accessoires d'instrument de pression



Katalogblatt 10.10
Catalogue page 10.10



Katalogblatt 10.14
Catalogue page 10.14



Katalogblatt 10.16
Catalogue page 10.16



Katalogblatt 10.18
Catalogue page 10.18



Katalogblatt 10.19
Catalogue page 10.19



Katalogblatt 10.20
Catalogue page 10.20



Katalogblatt 10.21
Catalogue page 10.21



Katalogblatt 10.25
Catalogue page 10.25

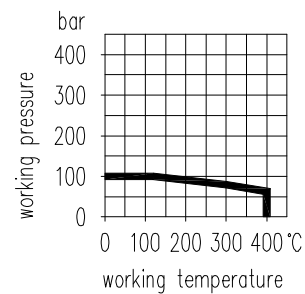
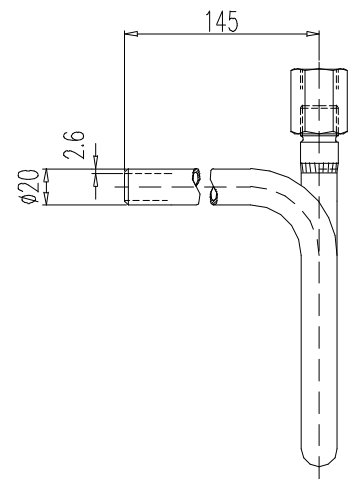
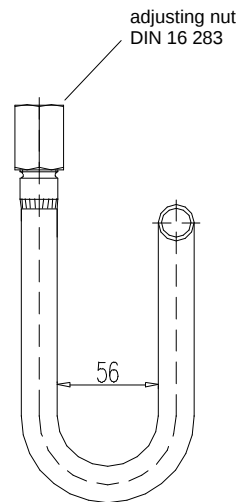
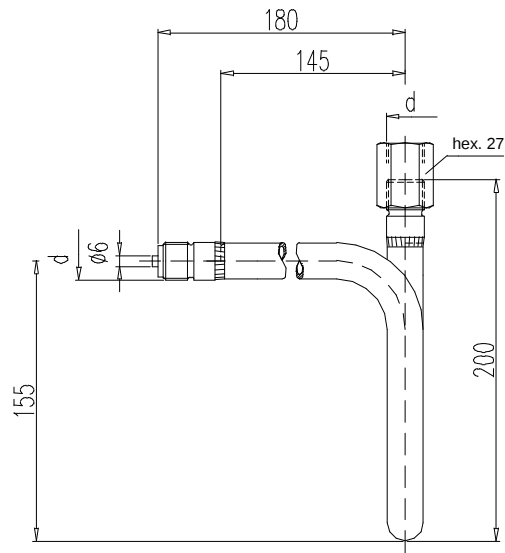
water syphons U-shaped for horizontal pressure tapping

Design A (sim. to DIN 16 282)

with male thread on process side

Design B

with weld end on process side



Connection thread d	Material	Part no.	
		Design A	Design B
G 1/2	steel st. st.	S006.07.100	S006.07.110
		S006.07.200	S006.07.210

Material		max. working pressure bar	max. working temperature in front of the water syphon °C
Abbreviation			
10 St	St 35.8	100	120
20 St	1.4571	80 63	300 400

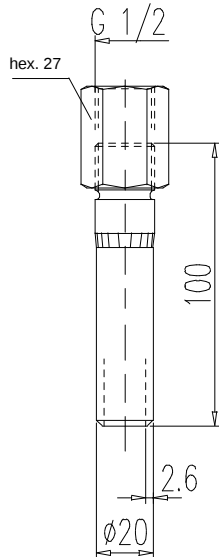
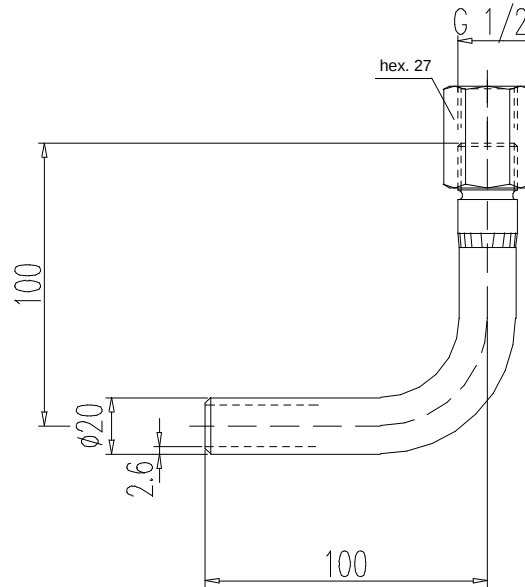
Components	Steel	Stainless steel
	DIN - Material Number	
Tube 20 x 2,6 mm	St 35.8	1.4571
Male connector	Ck 15	1.4571

 - Surface: steel phosphatized

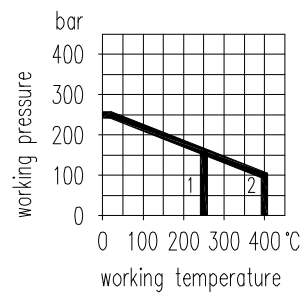
 - Range of application:

For liquids, gas or steam

- Other materials, pressure / temperature ratings and connections (e. g. 1/2 NPT) on request

Straight pipe

Elbow 90°


1 steel type
2 stainless steel type

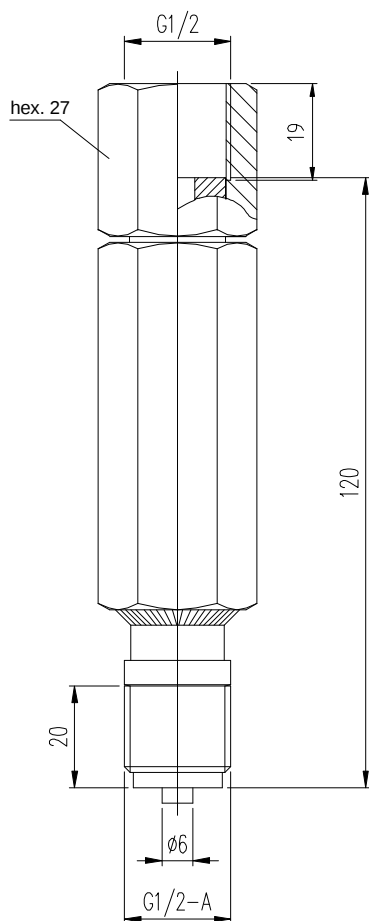


Connection thread d	Material	Part no.	
		Straight pipe	Elbow 90°
G 1/2	steel st. st.	S006.17.101.02 S006.17.201.02	S006.17.100.02 S006.17.200.02

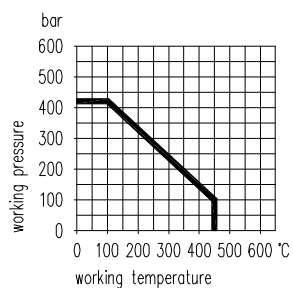
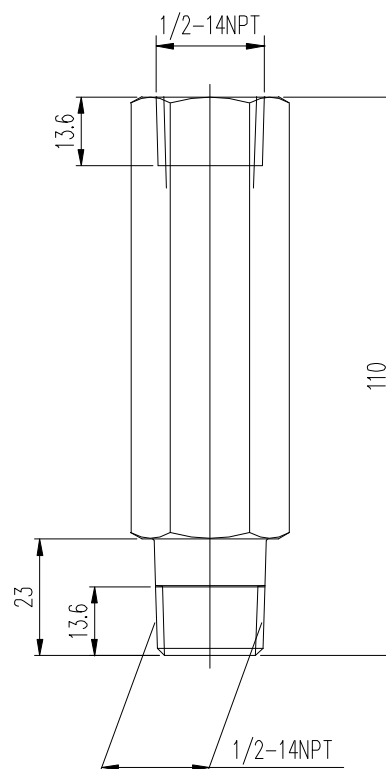
Components	Steel	Stainless steel
	DIN - Material Number	
Tube 20 x 2,6 mm	St 35.8	1.4571
Adjusting nut	acc. to DIN 16 283	

- Surface: steel phosphatized
- Range of application:
For liquids, gas or steam
- Other materials, pressure / temperature ratings and connections on request

Type 1



Type 2

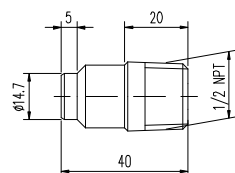
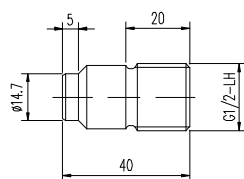
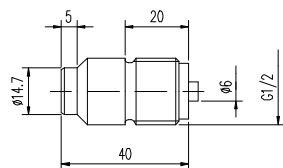


Type	Connection thread	Material	Part no.
1	G 1/2	1.4571	S006.47.201.05
2	1/2 NPT	1.4571	S006.47.203.05

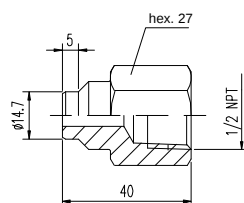
- Range of application:

For liquids, gas or steam

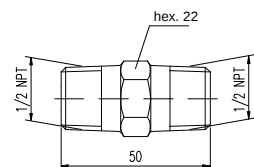
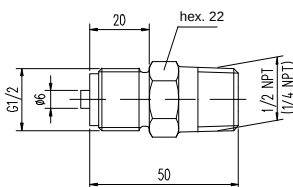
- Other materials, connections and types on request



Accessory	Connection	Material	Part no.
Male connector	G 1/2	Ck15 1.4571	S006.07.102 S006.07.202
	G 1/2-LH	Ck15 1.4571	S006.07.103 S006.07.203
	1/2 NPT	Ck15 1.4571	S006.07.102.01 S006.07.202.01

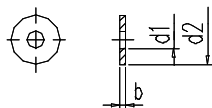
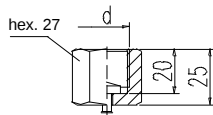
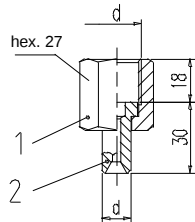
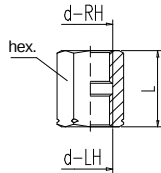
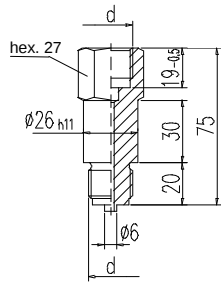


Accessory	Connection	Material	Part no.
Adaptor	1/2 NPT	St37-2 1.4571	S006.07.104.02 S006.07.204.02



Accessory	Connection	Material	Part no.
Hex. nipple	1/4 NPT x G 1/2	1.4571	S006.11.249
	1/2 NPT x G 1/2	1.4571	S006.11.249.02
	1/2 NPT x 1/2 NPT	1.4571	S006.11.249.04

- Other connections and materials on request



Accessory	Connection d	Material	Part no.
Adaptor DIN 16 281 - G	G 1/2	brass steel 1.4571	S006.06.000 S006.06.100 S006.06.200

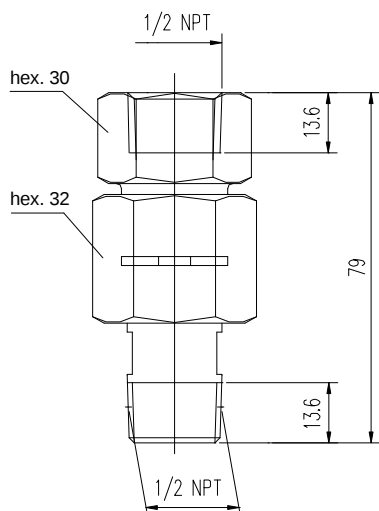
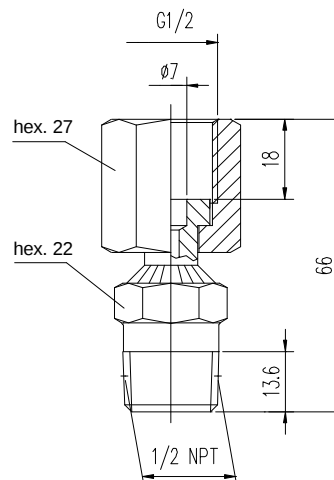
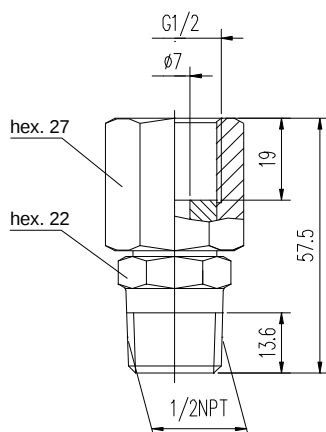
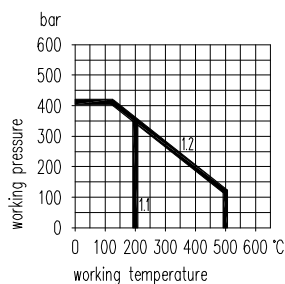
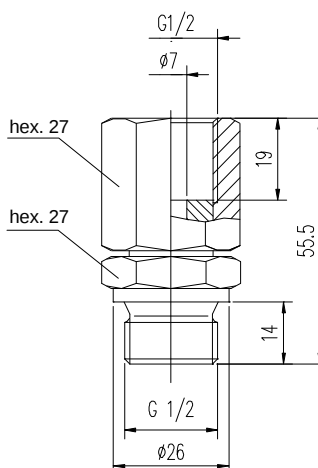
Accessory	Connection d	L [mm]	SW	Material	Part no.
Adjusting nut DIN 16 283	G 1/4	23	17	brass steel 1.4571	S006.00.010 S006.00.110 S006.00.210
	G 1/2	36	27	brass steel 1.4571	S006.00.000 S006.00.100 S006.00.200

Accessory	Connection d	Material	Part no.
Nipple connection: 1 Union nut DIN 16 284	G 1/2	brass steel 1.0501 1.4571	S006.01.000 S006.01.100 S006.01.102 S006.01.200
2 Nipple DIN 16 284	Ø 12 mm	brass steel 1.5415 1.4571	S006.02.000 S006.02.100 S006.02.500 S006.02.200
1 Union nut sim. to DIN 16 284	G 1/2	steel 1.4571	S006.01.107 S006.01.207
2 Nipple sim. to DIN 16 284	Ø 14 mm	1.5415 1.4571	S006.02.117 S006.02.217

Accessory	Connection d	Material	Part no.
Sealing cap DIN 16 287	M 20 x 1,5	brass steel 1.4571	S006.04.000 S006.04.100 S006.04.200

Accessory	Material	Part no. for thread					
		G 1/2 and M 20 x 1,5			G 1/4		
		d 1	d 2	b	d 1	d 2	b
		[mm]					
		6,2	17,5	2,0	5,2	9,5	1,5
Sealing washer DIN 16 258 Type C	aluminium ¹⁾	S006.03.002			S006.03.002.50		
	copper ¹⁾	S006.03.003			S006.03.003.50		
	soft iron	S006.03.004			S006.03.004.50		
	vulcanized fiber	S006.03.005			S006.03.005.50		
	1.4571 ¹⁾	S006.03.007			S006.03.007.50		
	PTFE	S006.03.008			S006.03.008.50		
	soft nickel ¹⁾	S006.03.009			S006.03.009.50		
Corrugated gasket	1.4401	S006.03.013.02			-		

1) Sealing washer according to DIN 16 258

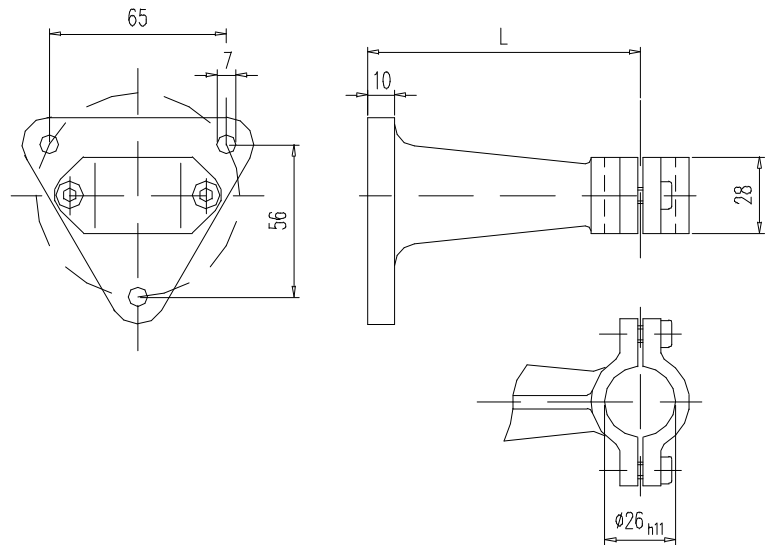
Type 1

Type 2

Type 3

Type 4


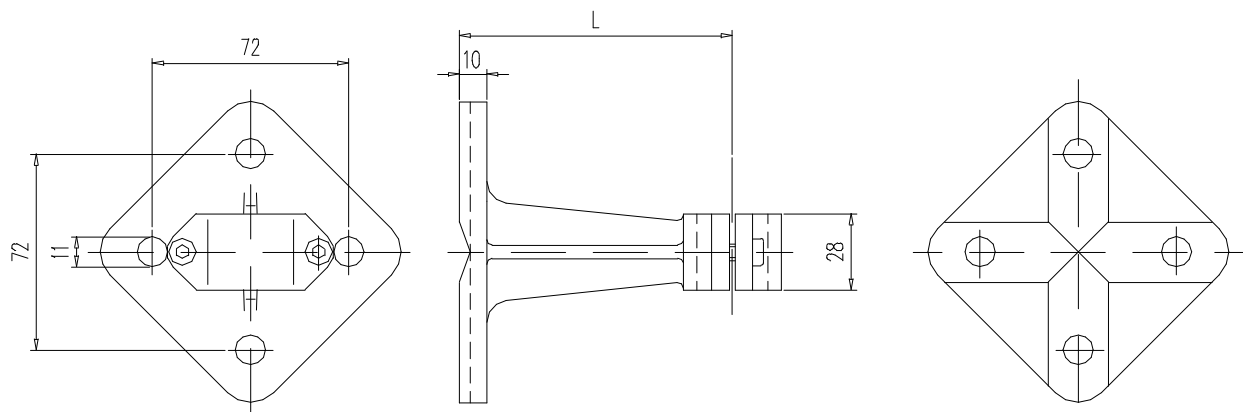
- The swivel gauge adaptor enables the easy positioning of the gauge in any direction through 360°.

Type	Material		Curve	Part no.
	Components	Seal ring		
1	1.4571	PTFE	1.1	S007.45.206.05
		1.4541	1.2	S007.45.206.15
2	1.4571	-	1.2	S007.45.200.07
3	1.4571 / 1.4404	-	1.2	S007.45.210.05
4	1.4571 / 1.4404	-	1.2	S007.45.210.25

Design H

wall mounting type


Design A

 for mounting to 2" NB pipes,
 wall or racks

 accessory kit for mounting to 2" NB pipes
 see catalogue page 8.06

Type			Surface	Part no.
L	Design	Material		
60 100 160	H	aluminium	black lacquered	S006.12.105 S006.12.115 S006.12.125
100	H	stainless steel		S006.12.215
100	A	malleable cast iron	galvanized and primed	N006.12.110

Components	Design H		Design A
	Materials		
	Aluminium	Stainless steel	Malleable cast iron
Pressure gauge support	aluminium	sheet construction made of 1.4571	malleable cast iron
Bolts	steel galv.	1.4571	-
Bolts with hexagon socket hex. 5	-		steel galv.

- Screws for wall mounting are not included in the scope of supply.