

A collection of industrial instrumentation products from Schneider, including various valves, pressure gauges, and flow meters, displayed against a background of industrial machinery. The products are arranged in the foreground, while the background shows a complex industrial process with pipes, tanks, and other equipment. The Schneider logo is visible in the bottom right corner.

# Instrumentation Products

## Product Overview

 schneider

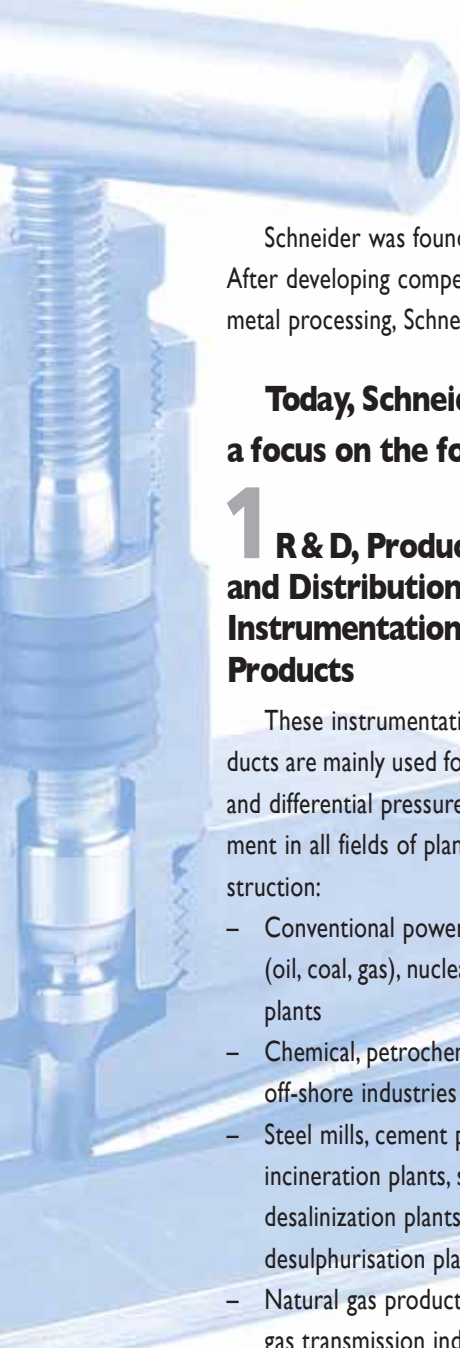
A collection of industrial instrumentation products from Schneider, including various valves, pressure gauges, and flow meters, displayed against a background of industrial machinery. The products are shown in a studio setting with soft lighting, highlighting their metallic finishes and complex designs. The background image shows a large industrial plant with various pipes, tanks, and machinery, providing context for the products' application.

# Instrumentation Products

## Product Overview

 schneider





Schneider was founded in Heilbronn in 1875. After developing competencies in several disciplines of metal processing, Schneider turned its focus to the

production of valves and the supply of metal parts to the automotive industry in the beginning of the last century.

**Today, Schneider is supporting a customer base around the globe with a focus on the following three product lines:**

## **1 R & D, Production and Distribution of Instrumentation Products**

These instrumentation products are mainly used for pressure and differential pressure measurement in all fields of plant construction:

- Conventional power plants (oil, coal, gas), nuclear power plants
- Chemical, petrochemical and off-shore industries
- Steel mills, cement plants, incineration plants, sea water desalinization plants, flue gas desulphurisation plants
- Natural gas production and gas transmission industries

Schneider is one of the leading manufacturers world-wide and supplies customers on all continents.

## **2 R & D, Production and Distribution of Valves for Large Bore Diesel Engines**

Schneider supplies all manufacturers of large bore diesel engines (marine engines, power generation) with indicator valves, safety valves etc.

In this field, Schneider is a world leading manufacturer.



## **3 R & D, Production and Distribution of Automotive Products**

Apart from the manufacturing of cylinder heads, crank cases etc., we are producing sheet metal parts and are doing assemblies (riveted, welded, screwed).



The tools and fixtures we require for our production are mainly manufactured in our own tool shop. Our integrated quality management system guarantees the functionality and reliability of our products. For Schneider, quality means more than just the functionality of our products. From the first inquiry to the on time shipment of your order we are driven to exceed your expectations.

**Our primary objective is complete customer satisfaction.**



## Needle Valves for use on general applications for liquid and gas service

Suitable for shutting-off the impulse line and for mounting to pressure instruments. These valves are provided as standard with external stem threads and 1/2 NPT threaded connections, other connections are available on request.

### Standard type:

PN 420 (6.092 psi), metal seated, PTFE packing for temperatures up to 200°C, material 1.4404/316L.

### Options:

PN 700 (10.000 psi), soft seat, soft tip, graphite packing for temperatures up to 550°C, panel mounting, anti-tamper head unit, exotic materials like Monel®, Hastelloy®, Duplex etc.

Monel® is a registered trade mark of International Nickel Company

Hastelloy® is a registered trade mark of Haynes International



# E Series Manifolds

## 2, 3 and 5 Valve Manifolds for use on general applications for liquid and gas service

Suitable for shutting-off the impulse lines and for mounting to pressure and differential pressure instruments.

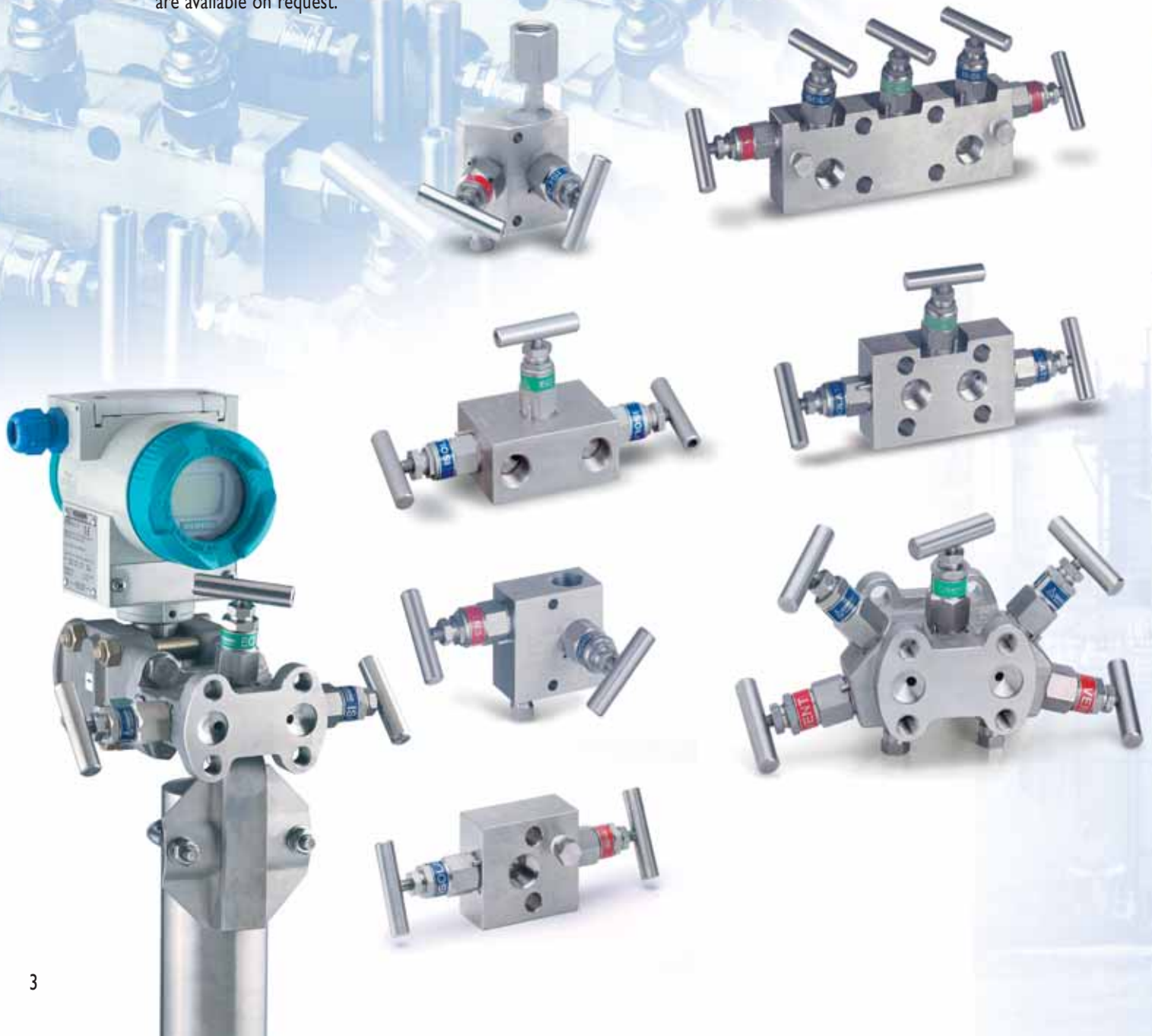
These manifolds are for direct mounting according to DIN EN 61518 or for remote mounting. The manifolds are provided as standard with external stem threads and 1/2 NPT threaded connections, other connections are available on request.

### Standard type:

PN 420 (6.092 psi), metal seated, PTFE packing for temperatures up to 200°C, but the manifolds for direct mounting are limited to 120°C at the transmitter/manifold interface, material 1.4404/316L.

### Options:

PN 700 (10.000 psi), soft seat, soft tip, graphite packing for temperatures up to 550°C, anti-tamper head unit, exotic materials like Monel®, Hastelloy®, Duplex etc.





## Schneider Integral Manifolds

have been developed for the Rosemount® Transmitter Models 3051/3095/2088. In general, manifold and transmitter are assembled, calibrated and leak tested by Rosemount®. The compact and lightweight assembly reduces design costs, on-site assembly and testing costs. Potential leaks are minimized.

### Standard type:

PN 420 (6.092 psi), metal seated, PTFE packing for temperatures up to 200°C, material 1.4404/316L.

### Options:

PN 700 (10.000 psi), soft seat, soft tip, graphite packing, anti-tamper head unit, exotic materials like Monel®, Hastelloy®, Duplex etc.

Rosemount® is a registered trade mark of Rosemount®, Inc.



# Valves and Manifolds acc. to ASME B 31.1

## Valves and Manifolds according to requirements of ASME B31.1

Suitable for shutting-off the impulse lines and for mounting to pressure and differential pressure instruments.

These manifolds are for direct mounting according to DIN EN 61518 or for remote mounting.

The manifolds are provided as standard with external stem threads and 1/2 NPT threaded connections, other connections are available on request.

- Pressure and temperature rating according to ASME B 16.34 Class 2500.
- Material requirements in accordance with ASTM specifications.
- Marking in accordance with MSS-SP-25.
- Pressure testing in accordance with MSS-SP-61.
- Valve head unit with lock plate and graphite packing.





## Manifolds for use on transporting, storing and processing of natural gas

Suitable for shutting-off the impulse lines and for mounting to pressure and differential pressure instruments.

These manifolds are provided as standard with external stem threads and 1/2 NPT or G 1/2 threaded connections, other connections are available on request.

### Standard type:

PN 420 (6.092 psi), metal seated or with soft tip, PTFE packing or FPM O-ring for temperatures up to 200°C, material 1.4404/316L.

### Options:

Anti-tamper head unit, exotic materials like Monel®, Hastelloy®, Duplex etc.



# Flanged Manifolds and Monoflanges

## Schneider Monoflange Series and Flanged Manifolds

have been designed to replace the traditional assemblies with a compact manifold.

The monoflange series are available as Process Monoflange and Instrument Monoflange.

Monoflange and Flanged Manifold are available with connections according to ASME, EN or DIN and as Block, Block & Bleed or Double Block & Bleed Design. Fire Safe and NACE requirements optional.

### Features:

- Weight saving
- Compact assembly
- Reduced stress from loading and vibration
- Reduction of leak points
- Reduction of installation and maintenance costs





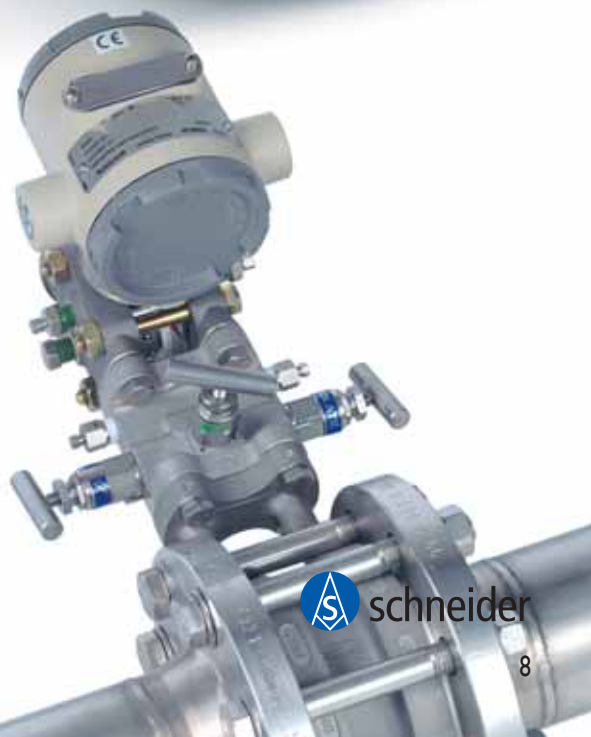
## Schneider CloseCouplings

These products are designed to help you to overcome the problems associated with traditional instrument / manifold installations that are connected with impulse lines.

The trend towards direct mounted designs results from the technological developments of the pressure transmitters with less maintenance and calibration effort.

The direct mounting design Schneider CloseCouplings shows following important advantages in comparison with the conventional installation with impulse lines:

- Weight saving
- Compact assembly
- No impulse lines
- Reduction of measurement errors
- Reduction of potential leak points
- Reduction of installation and maintenance costs
- Assembly/welding in an industrially-manufactured series quality



# EDM Series Manifolds for Enclosure Assemblies

## 2, 3 and 5 Valve Manifolds for direct mounting in enclosures

Furthermore they can be used in connection with a mounting bracket for wall, rack or 2" pipe mounting.

Suitable for shutting-off the impulse lines and for mounting to pressure and differential pressure instruments.

The EDM series manifolds are provided as standard with external stem threads and 1/2 NPT threaded connections, other connections are available on request.

### Standard type:

PN 420 (6.092 psi), metal seated, PTFE packing for temperatures up to 200°C, but the manifolds for direct mounting are limited to 120°C at the transmitter/manifold interface, material 1.4404/316L.

### Options:

Soft seat, soft tip, graphite packing, anti-tamper head unit, exotic materials like Monel®, Hastelloy®, Duplex etc.





## Shut-Off Valves for use on general applications for liquid, gas and steam service

Suitable for shutting-off the impulse line and as primary isolation valve.

Available with welded connections, threaded connections and compression fittings. Forged valve bodies made of high-temperature, heat-resistant or corrosion-resistant steels.

Nominal pressures from PN 100 up to PN 700, suitable for temperatures up to 550°C.



# Manifolds, Manifold Combinations and Multi-Way Cocks

## 2, 3 and 5 Valve Manifolds, Manifold Combinations and Multi-Way Cocks for use on general applications for liquid, gas and steam service

Suitable for shutting-off the impulse lines and for mounting to pressure and differential pressure instruments.

These manifolds, manifold combinations and multi-way cocks are for direct mounting according to DIN EN 61518 or for remote mounting.

### Process connections:

Compression fitting or welded connection.

### Manifolds:

PN 420 (6.092 psi), metal seated, PTFE packing for temperatures up to 200°C, but the manifolds for direct mounting are limited to 120°C at the transmitter/manifold interface. Graphite packings and sealing rings are available for high temperature service.

The purge valves on the manifold combinations are suitable for temperatures up to 550°C.

### Multi-way cocks:

PN 100, plug seal made of PTFE carbon.

### Materials:

P 250 GH (1.0460) and 1.4571, purge valves of the manifold combinations are made of high-temperature steels.





# Gauge Valves and Accessories

This product group includes standardized gauge valves, gauge cocks, syphons and gauge supports as well as gauge protectors and gauge snubbers.

Apart from the standard materials brass, carbon steel and stainless steel, exotic materials are available.

## Options:

Types with DVGW approval, NACE, cleaned and degreased for oxygen service, bellows sealed etc.



# Special Types and Options

**Armaturenfabrik Franz Schneider offers a big variety of valves and manifolds with different options**

- according to NACE MR 0175
- according to TA-Luft
- cleaned and degreased for oxygen service
- for chlorine service
- bellows sealed
- lockable
- with a heated shell
- exotic materials
- with soft seat or soft tip
- flanged valves
- ball valves with forged oval flange
- valves and manifolds specially designed for customers
- cryogenic valves





**Schneider Air Headers**  
are designed and  
manufactured accord-  
ing to customer  
specifications

**Pipe dimensions:**

1" and 2".

**Process connection:**

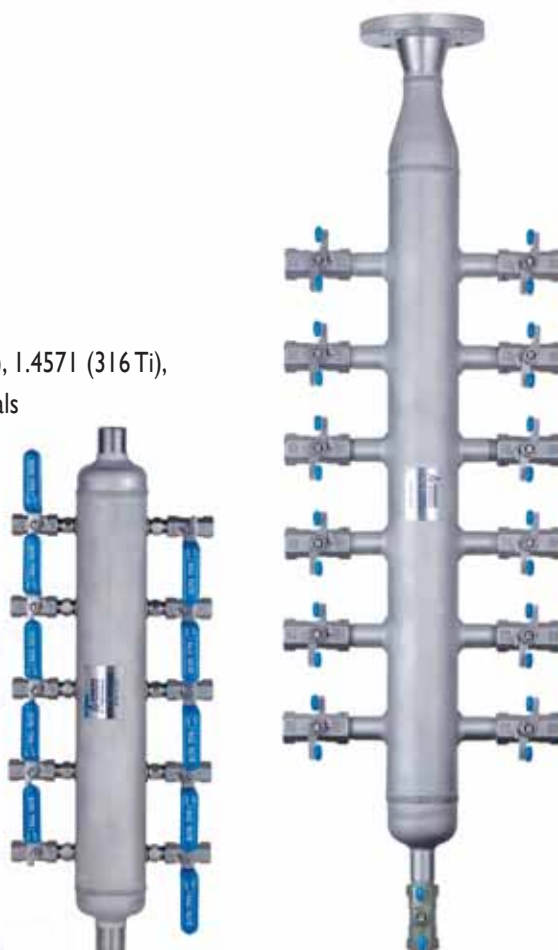
DIN and ASME flanges or  
threaded connections

**Outlet ports:**

- number of ports 2–20
- on one or on both sides
- assembled with ball valves  
as standard

**Materials:**

1.4404 (316 L), 1.4571 (316 Ti),  
exotic materials



- Flanges
- Mounting brackets
- Condensation pots
- Swivel gauge adaptors
- Nipples
- Vent valves
- Accessory kits for manifolds
- Tees
- Adaptors



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