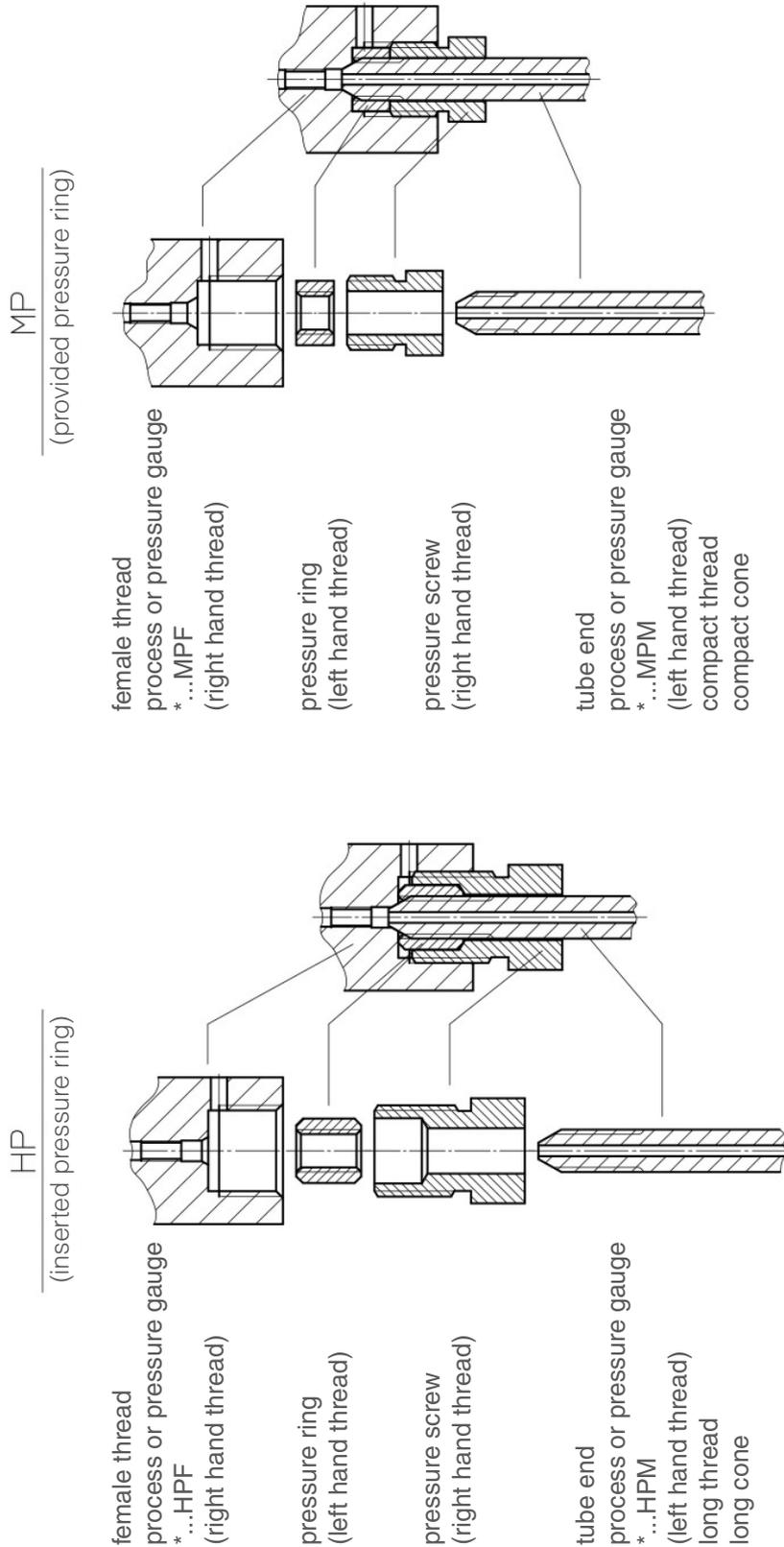


Construction

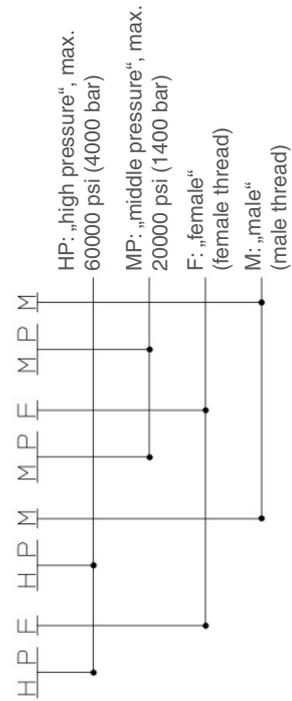


Pressure ring and pressure screw are not comprised in the scope of delivery.

\* see overview high-pressure connections (page 2)

The screw fitting has a cone of 59° at the tube end and a cone of 60° in the female thread and is being pressed metallically dense via pressure screw and pressure ring.  
The tube end has a left hand thread and the pressure screw a right hand thread to avoid an accidental loosening.

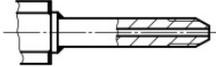
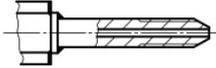
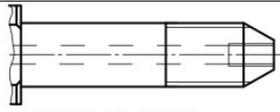
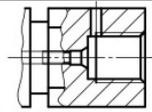
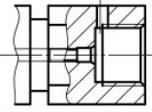
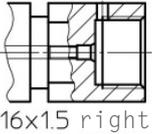
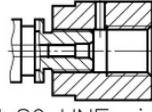
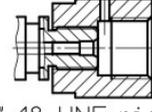
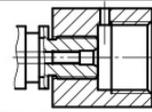
The abbreviations HPF, HPM, MPF and MPM mean:





## Construction and overview of high-pressure connections

### Overview

our short term	pressure gauge thread connection piece	process connection female thread	PN max.	usual nominal size
1/4" MPM	 1/4"-28 UNF left	7/16"-20 UNF 1)	20.000 psi (1400 bar)	63
1/4" HPM	 1/4"-28 UNF left	9/16"-18 UNF 1)	60.000 psi (4000 bar)	63 (max.20.000psi)
9/16" MPM	 9/16"-18 UNF left	3/4"-14 UNF 1)	20.000 psi (1400 bar)	100+160
9/16" HPM	 9/16"-18 UNF left	1 1/8"-12 UNF 1)	60.000 psi (4000 bar)	100+160
		tube end with male thread		
1/4" MPF	 7/16"-20 UNF right	1/4"-28 UNF left 1)	20.000 psi (1400 bar)	100+160
1/4" HPF (most current version)	 9/16"-18 UNF right	1/4"-28 UNF left 1)	60.000 psi (4000 bar)	100+160
M16x1,5 HD	 M16x1,5 right	1/4"-28 UNF left 1)	60.000 psi (4000 bar)	100+160
1/4" MPF	 7/16"-20 UNF right	1/4"-28 UNF left 1)	20.000 psi (1400 bar)	63
1/4" HPF	 9/16"-18 UNF right	1/4"-28 UNF left 1)	60.000 psi (4000 bar)	63 (max.20.000psi)
M16x1,5 HD	 M16x1,5 right	1/4"-28 UNF left 1)	60.000 psi (4000 bar)	63 (max.20.000psi)

<sup>1)</sup> pressure ring and pressure screw are required in each case for the mounting

Pressure ring and pressure screw are not comprised in the scope of delivery.

Further dimensions are available upon request, e.g. 1/8" HPF and 3/8" MPF.



Sales and Export South, West, North

**ARMATURENBAU GmbH**

Manometerstraße 5 • D-46487 Wesel - Ginderich  
Tel.: +49 (0) 28 03 / 91 30-0 • Fax: +49 (0) 28 03 / 10 35  
armaturenbau.com • mail@armaturenbau.com



Subsidiary Company, Sales and Export East

**MANOTHERM Beierfeld GmbH**

Am Gewerbepark 9 • D-08344 Grünhain-Beierfeld  
Tel.: +49 (0) 37 74 / 58-0 • Fax: +49 (0) 37 74 / 58-545  
manotherm.com • mail@manotherm.com