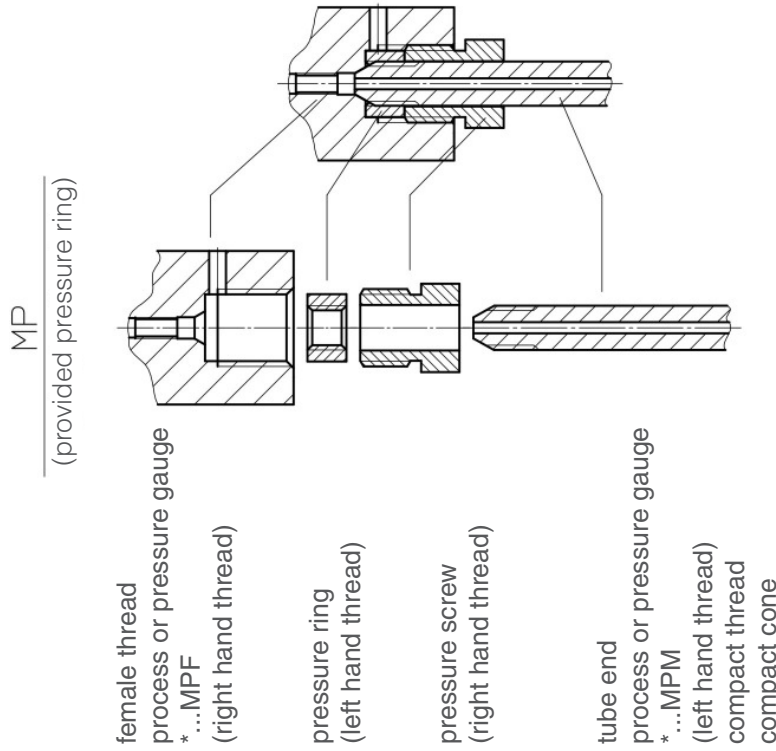
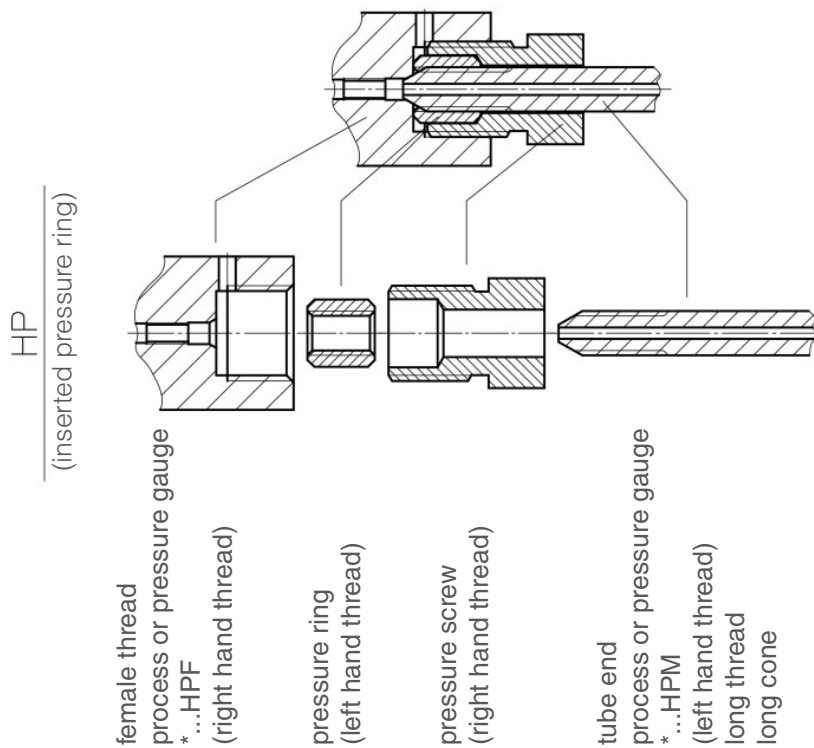


Construction

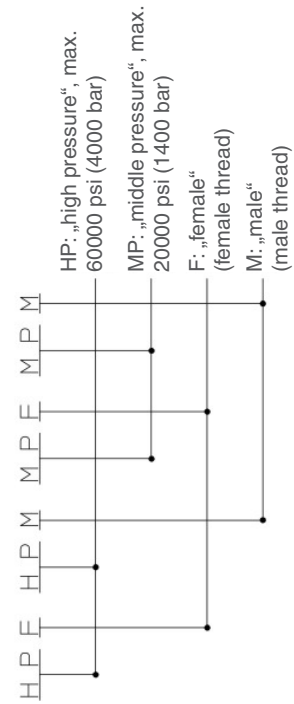


* see overview high-pressure connections (page 2)

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.



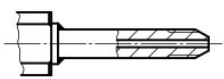
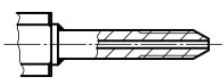
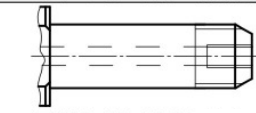
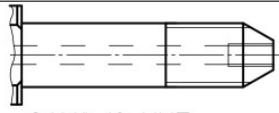
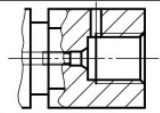
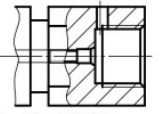
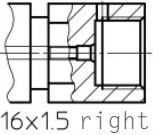
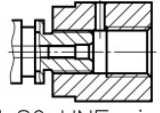
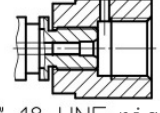
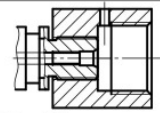
The abbreviations HPF, HPM, MPF and MPM mean:





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)

¹⁾ pressure ring and pressure screw are required in each case for the mounting



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