



Application:

Chemical seal types MDM 7910vd8/ MDM 7980vd8 have been designed for the application of extreme process conditions and they are especially made for the measurement of the medium crude oil. For this medium the chemical seals have a standard orifice d=10mm (0.4"). They are available for aggressive, also hot media and for cramped installation conditions. The attachments are mostly bourdon tube pressure gauges.

Chemical seal types MDM 7910vd8 / MDM 7980vd8 are applicable for the use of one of those filling fluids, if suitable for the temperature ranges:

- Ambient temperatures up to min. - 40 °C (-40 °F)
- Medium temperatures up to max.+ 250°C (482 °F)

Construction:

Diaphragm, upper and lower part are welded. Diaphragm seals MDM 7910vd8/ MDM 7980vd8 have an orifice d8 as instrument connection for welding to a pressure gauge with process connection d8x5, e.g. RCh 100-3vDW. Leakage can not occur at the welded connection of pressure gauge / upper part and at the filling port, which is not accessible externally. The parts are easy to clean externally.

Standard Version:

Process connection: G $\frac{1}{2}$ B; M20x1.5; $\frac{1}{2}$ "NPT
 with orifice d=10mm

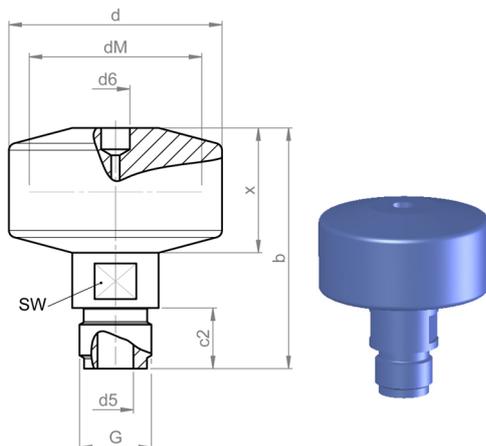
Wetted parts: stainless steel 1.4435 (316 L)

Diaphragm: stainless steel 1.4435 (316 L), free of dead space-welded with upper and lower part

Model:

MDM 7910vd8, PN 60
 NCS 63,100 und 160 (100):

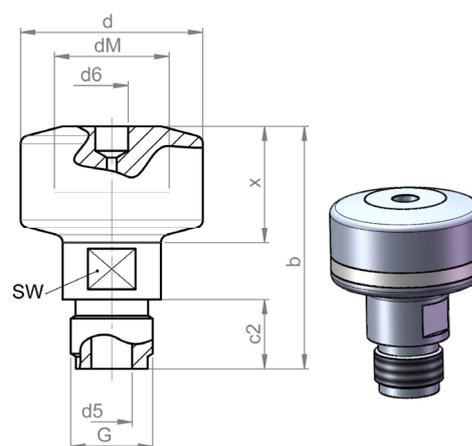
Pressure ranges
 0/1 bar to 60 bar



Model:

MDM 7980vd8, PN 600
 NCS 63, 100 und 160 (100):

Pressure ranges
 0/100 bar to 0/600 bar



Dimensional data (mm / inches) and weights (kg / lb)

Model	b	c2	d	d5	d6	dM	G	SW	x	Approx. weight
MDM 7910	67.5 2.66	17 .67	59 2.32	10 .4	8 .31	48 1.89	G $\frac{1}{2}$ B	21 .83	35 1.38	0.620 1.37
MDM 7980	60 2.36	17 .67	44.5 1.75	10 .4	8 .31	30 1.18	G $\frac{1}{2}$ B	21 .83	27 1.06	0.330 .73

