

Diaphragm type chemical seal with union nut

according to DIN 11851

Features

Quick coupling
Various process connections
Flush diaphragm at the front
Foodstuff compatible filling liquids



Description

Chemical seals are used when media falsify the pressure measurements due to high temperature ,high viscosity or their propens
Chemical seals transmit the process pressure to the measuring instrument , with the diaphragm forming a hermetic seal between the medium and measuring instrument.
The liquid used to transmit the process pressure to the measuring instrument is foodstuff compatible.

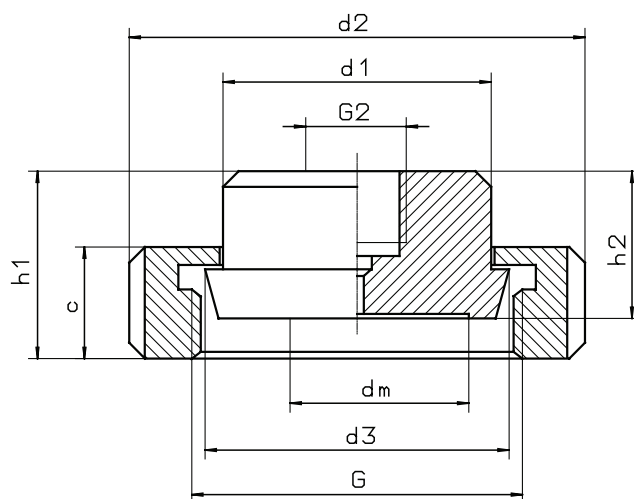
Applications

Pharmaceutical industries
Foodstuff industries
Process engineering

Model	DM-40 25	DM-40 32	DM-40 40	DM-40 50	DM-40 65	DM-40 80
Ranges in bar	min. 4 bar max. 40 bar	min. 2,5 bar max. 40 bar	min. 1,6 bar max. 40 bar	min. 1,0 bar max. 25 bar	min. 1,0 bar max. 16 bar	min. 0,6 bar max. 16 bar
Construction	with union nut					
Union nut	Stainless steel 1.4571					
Upper body	Stainless steel 1.4571					
Diaphragm	Stainless steel 1.4571 weldet with upper body					
Diaphragm diameter	28 mm	34 mm	38 mm	48 mm	52 mm	72 mm
Connection	DN 25	DN 32	DN 40	DN 50	DN 65	DN 80
Operating pressure	PN 40	PN 40	PN 40	PN 25	PN 16	PN 16
Filling liquid	natural oil					
Operating temperature	Medium: -20°C up to 120°C, in options up to 250°C					

Dimensions and Design

with union nut
according to DIN 11851



Dimensions in mm											Weight
Model	DN	c	d1	d2	d3	dm	h1	h2	G	G2	
DM-40	25	21	34	63	44	28	54	46	rd. 52x1/6"	G 1/2	0,5 kg
DM-40	32	21	40	70	50	34	54	46	rd. 58x1/6"	G 1/2	0,7 kg
DM-40	40	21	48	78	56	38	53	45	rd. 65x1/6"	G 1/2	0,7 kg
DM-40	50	22	60	92	68	46	48	40	rd. 78x1/6"	G 1/2	1,1 kg
DM-40	65	25	79	116	86	52	54	45	rd. 95x1/6"	G 1/2	2,0 kg
DM-40	80	30	92	127	100	63	59	45	rd. 110x1/6"	G 1/2	2,5 kg

Diaphragm type chemical seal with Clamp connection

Features

- Quick coupling
- Flush diaphragm at the front
- Foodstuff compatible filling liquids
- Special material for extreme service requirements

Description

Chemical seals are used when media can falsify the pressure measurements due to high temperature , high viscosity or their propensity to crystallise. Chemical seals transmit the process pressure to the measuring instrument ,with the diaphragm forming a hermetic seal between the medium and measuring instrument. In combination with capillary tube the measuring instruments can be mounted in something meters from the process pressure .



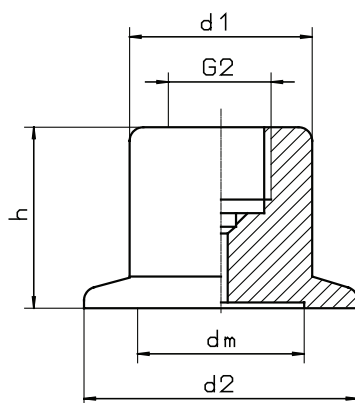
Applications

- Process engineering
- Chemical and petrochemical industries
- Foodstuff industries

Model	DM-50 40	DM-50 50
Ranges in bar	min. 4 bar max. 40 bar	min. 1,6 bar max. 40 bar
Construction	Clamp-connection	
Upper body	Stainless steel 1.4571	
Diaphragm	Stainless steel 1.4571 weldet with upper body	
Diaphragm diameter	32 mm	40 mm
Pressure connection	1 1/2"	2"
Operation pressure	PN 40	
Filling liquid	natural oil	
Operating temperature	Medium: -20°C up to 120°C, in option up to 250°C	

Dimensions and Design

Clamp connection



Dimensions in mm									Weight
Model	DN	d1	d2	dm		h		G2	
DM-50	1 1/2"	39	50,5	34		37		G 1/2	0,3 kg
DM-50	2"	51,5	64	45		45		G 1/2	0,7 kg

Diaphragm type chemical seal with thread connection

Features

Compact dimensions
Flush diaphragm at the front
Special materials for extreme service requirements

Description

Chemical seals are used when media can falsify the pressure measurements due to high temperature , high viscosity or their propensity to crystallise .

Chemical seals transmit the process pressure to the measuring instrument , with the diaphragm forming a hermetic seal between the medium and measuring instrument .



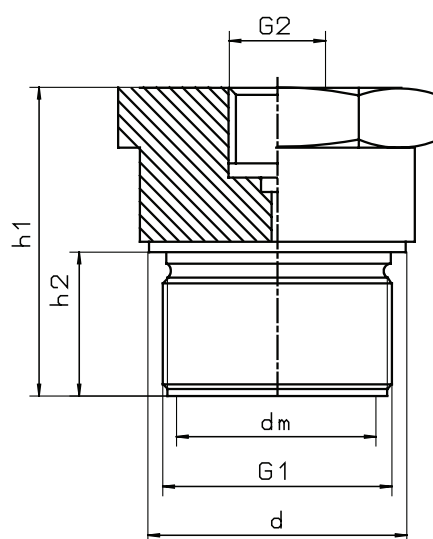
Applications

Process engineering
Chemicals and petrochemicals industries
Foodstuff industries

Model	DM-80 15	DM-80 20	DM-80 25	DM-80 40
Ranges in bar	min. 10 bar nur für NG 63	min. 10 bar	min. 4 bar	min. 1,6 bar
Construction	with thread connection			
Upper body	Stainless steel 1.4571			
Diaphragm	Stainless steel 1.4571 weldet with upper body			
Diaphragm diameter	14,7 mm	20 mm	28 mm	38 mm
Thread connection	G 1/2 B	G 3/4 B	G 1 B	G 1 1/2 B
Operating pressure	PN 600			
Filling liquid	oil			
Operating temperature	Medium: -20°C up to 100°C ,in Option up to 400 °C			

Dimensions and Design

with thread connection



Dimensions in mm								Weight
Model	DN	d	dm	h1	h2	G1	G2	
DM-80	15	-	15	55	20	G 1/2	G 1/2	0,16 kg
DM-80	20	32	20	56	20	G 3/4	G 1/2	0,27 kg
DM-80	25	39	28	55	21	G 1	G 1/2	0,40 kg
DM-80	40	55	38	65	30	G 1 1/2	G 1/2	1,08 kg