



Parto Sahand Ara

DTP DIAPHRAGM

DIAPHRAGM THREAD PELASTIC



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Diaphragm Seal Type DTC

Applications

- For aggressive, corrosive or environmentally hazardous media
- Plant construction for chemical products
- Electroplating
- Wastewater treatment



Description

Diaphragm seals are used for the protection of pressure measuring instruments in applications with difficult media. In diaphragm seal systems, the diaphragm of the diaphragm seal effects the separation of the instrument and the medium. The pressure is transmitted to the measuring instrument via the system fill fluid which is inside the diaphragm seal system.

For the implementation of demanding customer applications, there is a wide variety of designs, materials and system fill fluids available.

The model DTC diaphragm seal with threaded connection in a plastic version is suitable for versatile application areas in the water supply and wastewater treatment industries.

Mounting of the diaphragm seal to the measuring instrument may be made via a direct connection or a flexible capillary

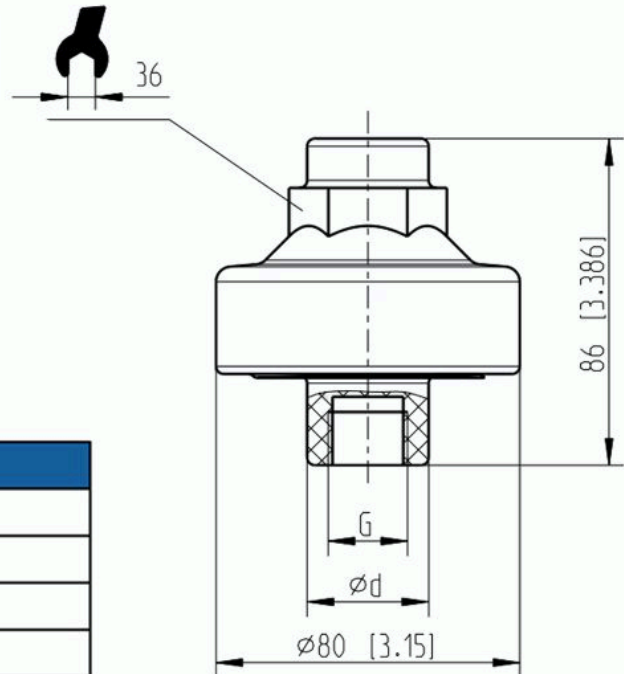
- Pressure range : 0 ... 2,5 bar to 0 ... 10 bar [0 ... 36 psi to 0 ... 145 psi]



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Dimensions in mm [in]

G	DN	d
G ¼	20 [0.787]	25 [0.984]
G ½	25 [0.984]	32 [1.260]
¼ NPT	20 [0.787]	25 [0.984]
½ NPT	25 [0.984]	32 [1.260]



Legend:

G Thread

d Outer diameter of process connection

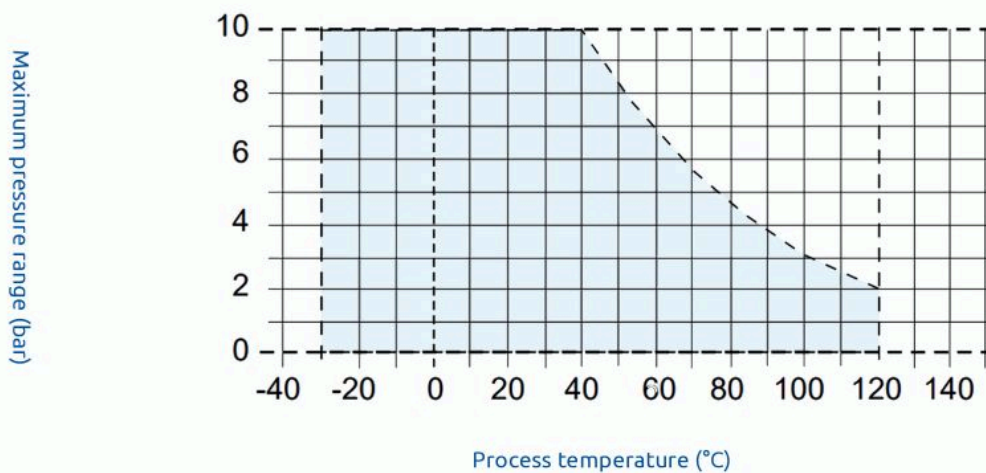
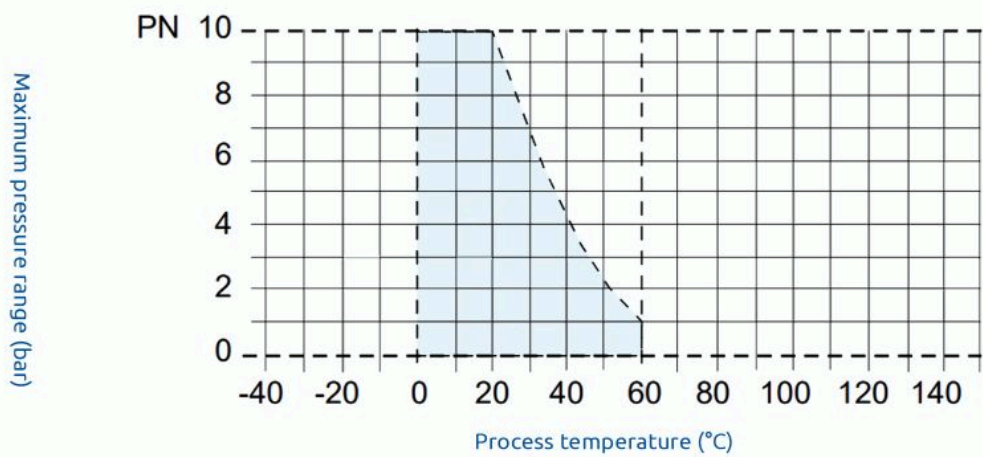
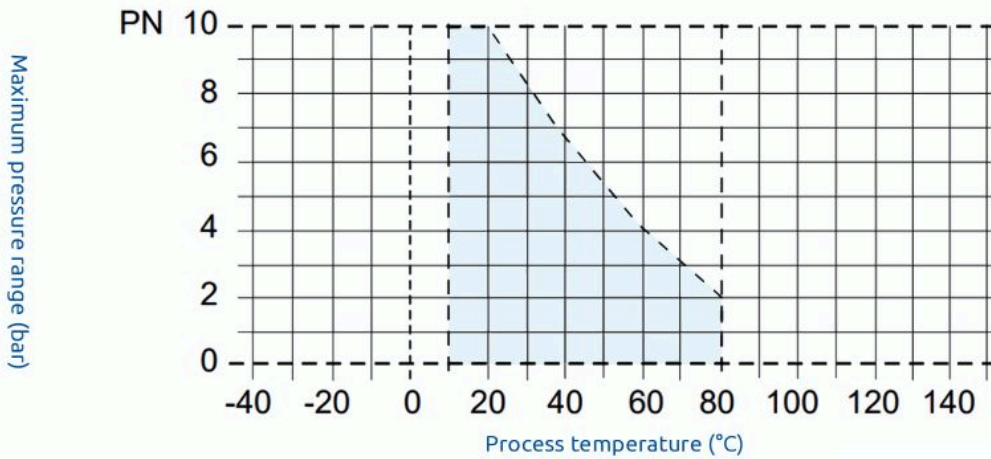
Material combinations

Upper body of diaphragm seal	Wetted parts	
	Lower body of diaphragm seal	Diaphragm with sealing
PP (polypropylene), glass-fibre reinforced, blue RAL 5022	PVC-U (polyvinyl chloride without plasticiser), grey RAL 7011	EPDM, media side with PTFE foil
	PP (polypropylene), grey RAL 7032	
	PVDF (polyvinylidene fluoride), opaque, yellowish-white	



Diaphragm Seal Type DTP

Pressure-temperature diagrams





Diaphragm Seal Type DTP

Order Code

DTP Configuration	
1	Process Connection
	08F 1/4" NPT female
	15F 1/2" NPT female
*	Other - please specify
2	Lower Housing Material
	P PVC
*	Other - please specify
3	Connection to Pressure Instrument
	1 1/4" NPT-female
	2 1/2" NPT-female
*	Other - please specify
4	Accessory
	1 Capillary
	2 Cooling
	4 N/A
*	Other - please specify

Additional order details _____

DTP - -

1 2 3 4



Parto Sahand Ara

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