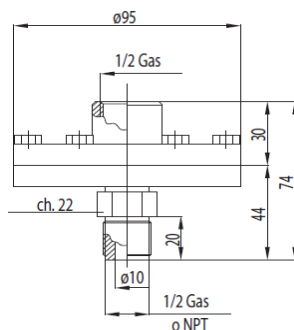




Series SMI40 Diaphragm seal with threaded connection Version with internal diaphragm range -1 ... 40 bar

- Diaphragm seals shown below are suitable for bourdon pressure gauges for differential pressure gauges
- Mounting - direct - remote by flexible capillary
- Upper body diaphragm seal
 - Stainless Steel AISI 316L
- Wetted parts lower body of diaphragm
 - Stainless Steel AISI 316L
 - Stainless Steel AISI 316L P.T.F.E. lining
 - Hastelloy C22 – Hastelloy C276
 - Inconel 600 – Inconel 625
 - Monel 400
 - Titanio 2 – Titanio 7
- Service conditions
 - 40 bar maximum with P.T.F.E. coating
 - temperature : 20 +150 °C for P.T.F.E. coating



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SMI40 Diaphragm seal

Male threaded process connection

Normative	Threaded		Code
DIN ISO 228-1	½" GAS	STANDARD	G1/2-
DIN ISO 228-1	¼" GAS		G1/4-
DIN ISO 228-1	3/8" GAS		G3/8-
DIN ISO 228-1	¾" GAS		G3/8-
DIN ISO 228-1	1" GAS		G1-
DIN ISO 228-1	1 ½" GAS		G11/2-
ASME B1.20.1	½" NPT	STANDARD	N1/2-
ASME B1.20.1	¼" NPT		N1/4-
ASME B1.20.1	3/8" NPT		N3/8-
ASME B1.20.1	¾" NPT		N3/8-
ASME B1.20.1	1" NPT		N1-
ASME B1.20.1	1 ½" NPT		N11/2-
ISO 7-1	½" R		R1/2-
ISO 7-1	¼" R		R1/4-
ISO 7-1	3/8" R		R3/8-
ISO 7-1	¾" R		R3/8-

Female threaded connection to instruments

Normative	Threaded		Code
DIN ISO 228-1	½" GAS	STANDARD	G1/2-
DIN ISO 228-1	¼" GAS		G1/4-
DIN ISO 228-1	3/8" GAS		G3/8-
DIN ISO 228-1	¾" GAS		G3/8-
DIN ISO 228-1	1" GAS		G1-
DIN ISO 228-1	1 ½" GAS		G11/2-

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Female threaded connection to instruments

Normative	Threaded		Code
ASME B1.20.1	½" NPT	STANDARD	N1/2-
ASME B1.20.1	¼" NPT		N1/4-
ASME B1.20.1	3/8" NPT		N3/8-
ASME B1.20.1	¾" NPT		N3/8-
ASME B1.20.1	1" NPT		N1-
ASME B1.20.1	1 ½" NPT		N11/2-
ISO 7-1	½" R		R1/2-
ISO 7-1	¼" R		R1/4-
ISO 7-1	3/8" R		R3/8-
ISO 7-1	¾" R		R3/8-

Upper body of diaphragm seal

Stainless Steel (316L)	A-
Other	B*-

Wetted part

Lower body	Diaphragm	Temperature	Code
Stainless Steel 1.4404 316L	Stainless Steel 1.4404 316L	400°C	1-
Stainless Steel 1.4404 316L	P.T.F.E.	150°C	2-
Hastelloy C22 (2.2406)	Hastelloy C22 (2.2406)	260°C	3-
Hastelloy C276 (2.4819)	Hastelloy C276 (2.4819)	400°C	4-
Inconel 600 (2.4816)	Inconel 600 (2.4816)	400°C	5-
Inconel 625 (2.4846)	Inconel 625 (2.4846)	400°C	6-
Incoloy 825 (2.4848)	Incoloy 825 (2.4848)	400°C	7-
Monel 400 (2.4360)	Monel 400 (2.4360)	400°C	8-
Nichel 200 (2.4060-2.4066)	Nichel 200 (2.4060-2.4066)	260°C	9-
Titanio 2 (2.3075)	Titanio 2 (2.3075)	150°C	10-
Titanio 7 (3.7235)	Titanio 7 (3.7235)	150°C	11-
Tentalio covering	Tentalio covering	300°C	12-

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Mounting

Direct		A
Remote by flexible capillary		B

Note : the remote mounting requires seal and pressure gauge setsame level to avoid false calibration

Capillary material

Without		S
Capillary Stainless Steel	AISI 316L stainless steel with flexible armour of AISI316	CI
Capillary Stainless Steel and PVC protection	AISI 316L stainless steel with flexible armour of AISI316 and PVC protection	CP

Filling fluid

Silicone	Temperatures -30 ... +200°C this fluid is food compliant	1
Diathermic	Temperatures > 200°C ... +400°C	2
Fluorinated	Temperatures -30 ... +150°C suitable for oxygen service	3

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