

Flush Mini Diaphragm Seal Series 331

FEATURES

- All stainless steel welded flush diaphragm seal
- Rupture protected due to embedded convolution behind the diaphragm
- Designed for applications with high pressure and limited space

TYPICAL USES

- Paint production
- Painting facilities
- Filtration
- Pulp and paper
- Food and beverage


SEAL 331

SPECIFICATIONS

Process Connection Size:	G 1/2 up to G 2 Male 3/4 up to 2 NPT Male
Instrument Connection Size:	G 1/4 or G 1/2 Female, welding port (8 mm)
Pressure Rating: (MAWP)	PN 400
Accuracy Effect:	+ 0,5% typical (maximal)
Fill Fluid:	Glycerine, Silicone, Halocarbon [®] , Neobee [®] M20 others available on request

WETTED COMPONENTS

Diaphragm:	Stainless steel 316L (1.4435) or Hastelloy C-276 (2.4819)
Body:	Stainless steel 316L (1.4404) or Hastelloy C-276 (2.4819)

MIN./MAX. TEMPERATURE LIMITS

Find the maximal allowable process temperature at page 2

RECOMMENDED INSTRUMENTS

Mechanical:	T5500, Unigauge 1009 please consult factory for selection of fitting pressure gauge considering range and process connection size
Electrical:	E2-Series
Switches:	B-Series A-Series

RECOMMENDED ACCESSORIES

Direct Reading:	Cooling tower for lowering high process temperatures
Remote Reading:	Capillary Line for remote places and lowering high process temperatures

KEY BENEFITS

- Small size
- High pressure
- Flush design prevents clogging or buildup of process media

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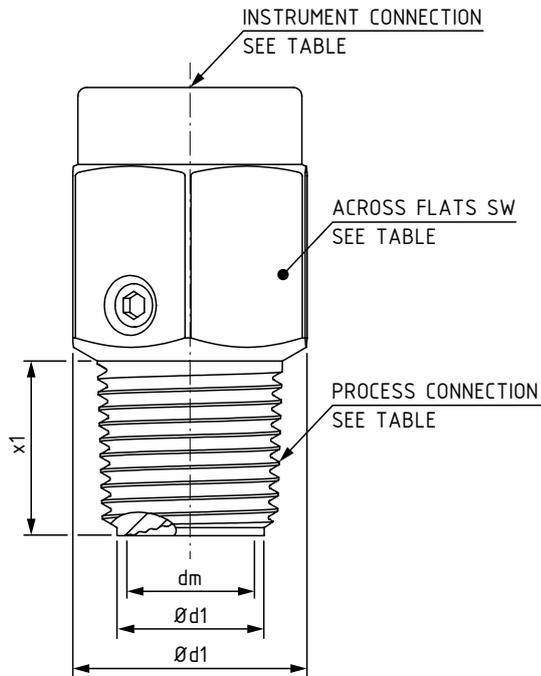
ORDERING CODE		EXAMPLE:	71	331	S	51T	XNM
Process Connection Size							
18	G 1/2 Male						
23	G 3/4 Male						
70	G 1 Male						
80	R 1 (1" BSPT) Male						
85	G 1-1/2 Male						
71	G 2 Male						
81	R 2 (2" BSPT) Male						
06	3/4 NPT Male						
08	1 NPT Male						
67	1-1/2 NPT Male						
21	2 NPT Male						
Model							
331	Flush Mini Diaphragm Seal			331			
Diaphragm and Wetted Parts Material							
S	Stainless steel 316L (1.4404/1.4435)				S		
H	Hastelloy® C-276 (2.4819)						
O	other Materials (on request)						
Instrument Connection Size							
13T	G 1/4 Female						
51T	G 1/2 Female					51T	
00	Welding port (8 mm)						
Options (If choosing an option(s) must include a "X")							
			Max. Allowable Process Temperatur:		Application:		
CF	Halocarbon® 4.2		-57 to 200 °C	-70 to 300 °F	Inert/Oxygen		
CG	Glycerine (1)		-18 to 204 °C	0 to 400 °F	Food		
CK	Silicone oil 50 cSt (2)		-40 to 260 °C	-40 to 500 °F	General purpose		
DJ	Silicone oil 10 cSt		-40 to 260 °C	-40 to 500 °F	Fast response time		
FJ	Distilled water (1)		4 to 85 °C	40 to 185 °F	Food & Beverage		
GQ	White oil (silicone free)		-12 to 204 °C	10 to 400 °F	Food		
NM	Neobee® M20		-15 to 204 °C	5 to 400 °F	Food & Pharma		
(1) Not available for compound or vacuum pressure applications							
(2) Only suitable for capillary systems ≤ 3 m (10 ft)							
Cleaning							
6W	Cleaned for oxidizing processes other than oxygen						
YF	Cleaned silicone free (not available for silicone filling)						
Tagging							
NH	Stainless steel tag, wired						
NH1	Stainless steel tag, extra large and wired						
NN	Paper tag, bonded						
Testing/Certificates							
CD2	Material test report according to EN 10204 / 2.2						
C3	Material report according to EN 10204 /3.1						
MQ	Positive Material Identification (PMI)						



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DIMENSIONS IN MM [INCH]

For reference only, consult Ashcroft for specific dimensional drawings

DIAPHRAGM SEAL 331


PROCESS CONN. THREADS	CODE	dm	d1	d2	x1	SW	WEIGHT KG
1"-11,5 NPT; MALE	8	20 [0,79]	-	42 [1,65]	28 [1,1]	41 [1,61]	0,53
1 1/2"-11,5 NPT; MALE	67	41 [1,61]	-	58 [2,28]	30 [1,18]	45 [1,77]	0,98
2"-11,5 NPT; MALE	21	46 [1,81]	-	78 [3,07]	30 [1,18]	60 [2,36]	1,53
G 1/2; MALE	18	17 [0,67]	18 [0,71]	28 [1,1]	19 [0,75]	28 [1,1]	0,18
G 3/4; MALE	23	20 [0,79]	23 [0,91]	30 [1,18]	21 [0,83]	30 [1,18]	0,22
G 1; MALE	70	26 [1,02]	29 [1,14]	41 [1,61]	21 [0,83]	41 [1,61]	0,53
G 1 1/2; MALE	85	41 [1,61]	44 [1,73]	58 [2,28]	30 [1,18]	41 [1,61]	0,98
G 2; MALE	71	46 [1,81]	56 [2,2]	71 [2,8]	30 [1,18]	60 [2,36]	1,53

