

Monobloc chemical seals D001-D040-D041

D001 : from 0 + 2 to 0 + 100 bar

D040 : from 0 + 1 to 0 + 16 bar

D041 : from 0 + 16 to 0 + 250 bar

Low cost chemical seal

Should not be used in environments with strong vibrations or strong overpressures.

One-piece **D040** and **D041** chemical seals are designed for the measurement of gauge pressure between 1 and 250 bar of corrosive fluids within the temperature range of -60° to +200°C. In the event of damage, sustained by the pressure indicator or transmitter, the diaphragm of the chemical seal ensures leak proof sealing of the system.

D001 is designed for water treatment and chlorinated products.



Specifications

Compatibility of D040/D041 with pressure gauges Ø 50-63-100-150-160

Pressure gauges	Ø 50-63			Ø 100-150-160		
	Fluid T° (°C)	-20° ≤ T ≤ 100°	-40° ≤ T ≤ 150°	-60° ≤ T ≤ 200°	-20° ≤ T ≤ 100°	-40° ≤ T ≤ 150°
Operating T° (°C)	-10° ≤ T ≤ 50°	-30° ≤ T ≤ 70°	-40° ≤ T ≤ 80°	-10° ≤ T ≤ 50°	-30° ≤ T ≤ 70°	-40° ≤ T ≤ 80°
D040	from	1 bar	1 bar	1 bar	1.6 bar	2.5 bar
	to	16 bar	16 bar	16 bar	16 bar	16 bar
D041	from	10 bar	16 bar	16 bar	16 bar	25 bar
	to	250 bar	250 bar	250 bar	250 bar	40 bar
						250 bar

**BOURDON
HAENNI**

made to measure



Range of hygienic seals, dimensions

D001

Top housing	Bottom housing	Diaphragm
Brass	Brass	Silver

D040

Thread	G 1/2	1/2 NPT	G 1/2	1/4 NPT
ØA	62	62	62	62
B	49,5	49,5	45,5	45,5
C	23	23	23	23
Weight	0.255 kg	0.285 kg	0.210 kg	0.255 kg

D041

Thread	G 1/2	1/2 NPT	G 1/4 G 1/2	1/4 NPT
ØA	42	42	42	42
B	49	63	45	57
C	23	23	23	23
Weight	0.335 kg	0.478 kg	0.335 kg	0.430 kg

Identification tables

D040

Code	Top housing		Diaphragm	Bottom housing	
	Material	Female thread	Material	Material	Thread
D04001	Stainless steel	G 1/4	Stainless steel	Stainless steel	G 1/4
D04002	Stainless steel	G 1/4	Stainless steel	Stainless steel	G 1/2
D04003	Stainless steel	1/4 NPT	Stainless steel	Stainless steel	1/4 NPT
D04004	Stainless steel	1/4 NPT	Stainless steel	Stainless steel	1/2 NPT
D04005	Stainless steel	G 1/2	Stainless steel	Stainless steel	G 1/2
D04006	Stainless steel	G 1/2	Stainless steel	Stainless steel	G 1/4
D04007	Stainless steel	G 1/2	Stainless steel	Stainless steel	1/2 NPT
D04008	Stainless steel	G 1/2	Stainless steel	Stainless steel	3/8 BSP
D04009	Stainless steel	1/2 NPT	Stainless steel	Stainless steel	1/2 NPT
D04010	Stainless steel	1/2 NPT	Stainless steel	Stainless steel	1/4 NPT
D04011	Stainless steel	1/2 NPT	Stainless steel	Stainless steel	3/8 NPT
D04013	Stainless steel	1/2 NPT	Stainless steel	Stainless steel	1/2 BSP-Tr
D04014	Stainless steel	G 1/2	Stainless steel	Stainless steel	1/2 BSP-Tr
D04015	Stainless steel	G 1/4	Stainless steel	Stainless steel	3/8 BSP
D04016	Stainless steel	G 1/2	Stainless steel	Stainless steel	3/8 BSP-Tr
D04017	Stainless steel	G 1/4	Stainless steel	Stainless steel	1/4 BSP-Tr
D04018	Stainless steel	1/2 NPT	Stainless steel	Stainless steel	G 1/2
D04019	Stainless steel	G1/4	Stainless steel	Stainless steel	1/2 NPT
D04020	Stainless steel	G 1/2	Stainless steel	Stainless steel	1/4 BSP-Tr
D04021	Stainless steel	G 1/4	Stainless steel	Stainless steel	G 3/8
D04022	Stainless steel	1/2 NPT	Stainless steel	Stainless steel	3/4 NPT
D04024	Stainless steel	G 1/4	Stainless steel	Stainless steel	1/4 NPT

D041

Code	Top housing		Diaphragm	Bottom housing	
	Material	Female thread	Material	Material	Thread
D04101	Stainless steel	G 1/4	Stainless steel	Stainless steel	G 1/4
D04102	Stainless steel	G 1/4	Stainless steel	Stainless steel	G 1/2
D04103	Stainless steel	1/4 NPT	Stainless steel	Stainless steel	1/4 NPT
D04104	Stainless steel	1/4 NPT	Stainless steel	Stainless steel	1/2 NPT
D04105	Stainless steel	G 1/2	Stainless steel	Stainless steel	G 1/2
D04106	Stainless steel	G 1/2	Stainless steel	Stainless steel	G 1/4
D04107	Stainless steel	G 1/2	Stainless steel	Stainless steel	1/2 NPT
D04108	Stainless steel	G 1/2	Stainless steel	Stainless steel	3/8 BSP
D04109	Stainless steel	1/2 NPT	Stainless steel	Stainless steel	1/2 NPT
D04110	Stainless steel	1/2 NPT	Stainless steel	Stainless steel	1/4 NPT
D04111	Stainless steel	1/2 NPT	Stainless steel	Stainless steel	3/8 NPT
D04113	Stainless steel	1/2 NPT	Stainless steel	Stainless steel	1/2 BSP-Tr
D04114	Stainless steel	G 1/2	Stainless steel	Stainless steel	1/2 BSP-Tr
D04115	Stainless steel	G 1/4	Stainless steel	Stainless steel	1/2 NPT
D04116	Stainless steel	G 1/4	Stainless steel	Stainless steel	3/8 BSP-Tr

How to order a product

To order these devices, simply give the code corresponding to your choice(s) (see above table).