

Description & Features

- Diaphragm seal with back side diaphragm and through fixing hole on lower flange
- I section
- Completely round, no corners and edges
- For direct installation between two flanges

Applications

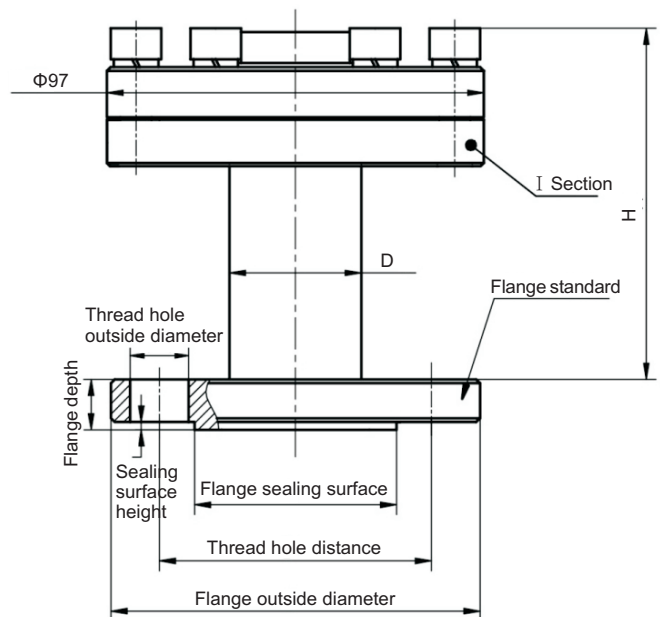
- Chemical process industry
- Petrochemical industry
- For flowing, pure and aggressive media
- For direct, permanent installation in pipelines



Specifications

- **Mounting**
Direct or remote
- **Diaphragm Material**
 - AISI 316L stainless steel, welded, standard
 - Option: - AISI 316L stainless steel with PTFE coated
 - Tantalum
 - Hastelloy C
 - Monel
 - Other exotic material
- **Wetted Parts Material (Excluded Diaphragm Material)**
 - Upper Parts: AISI 304 stainless steel, standard
 - Lower Parts: AISI 304 stainless steel, standard
 - Option: - AISI 316 stainless steel
 - AISI 316L stainless steel
 - AISI 316 stainless steel with PTFE coated
 - AISI 316L stainless steel with PTFE coated
- **Minimum operating pressure range**
-1...0 bar
- **Maximum operating pressure range**
0...40 bar (-1...40 bar with PTFE coating)
- **Process connection**
Flange as per EN 1092-1 or ASME B 16.5, also others standard versions are available on request
- **Filled Fluid**
 - Silicone Filled (Limited temperature range: -40/160°C)
 - High temperature oil (High limited temperature range: -30/230°C)
 - Food compatible fluid (Limited temperature range: -20/160°C)
 - Fluorolube Filled (Limited temperature range: -50/150°C)

Dimensions



Ordering Code D43 Series

Field No.	Code	Specifications
1.	D43	Series
		Process Connection Standard
2.	A	ASME B 16.5
	E	EN 1092-1
	C	Class series: HG/T 20615~20635 2009
	P	PN series: HG/T 20592~20614 2009
		Process Connection Flange Size
3.		ASME B 16.5 HG/T 20615 - 2009
		Class
	02	1/2"
	05	3/4"
	10	1"
	ZZ	Special request
		EN 1092-1 HG/T 20592 - 2009
		PN (Unit: bar)
	A	DN 15
	B	DN 20
	D	DN 25
	Z	Special request
		Process Connection Pressure Rating
4.		ASME B 16.5 HG/T 20615 - 2009
		Class
	5	150
	3	300
	Z	Special request
		EN 1092-1 HG/T 20592 - 2009
		PN (Unit: bar)
	W	PN 10 bar
	P	PN 16 bar
	K	PN 25 bar
	S	PN 40 bar
	Z	Special request
		Sealing Face
5.	R	RF
	F	FF (Class 150 only)
	J	RTJ (Class 300~2500 only)
	Z	Special request
		Diaphragm Materials
6.	L	AISI 316L stainless steel
	P	AISI 316L stainless steel with PTFE coated (-1 bar to 40 bar with PTFE coating -20°C to 150°C with PTFE coating)
	H	Hastelloy C
	A	Tantalum
	M	Monel
	Z	Special request

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Ordering Code D43 Series

Field No.	Code	Specifications
7.		Lower Housing Material (Excluded Diaphragm Material)
	T	AISI 304 stainless steel
	S	AISI 316 stainless steel
	L	AISI 316L stainless steel
	P	AISI 316 stainless steel with PTFE coated (-1 bar to 40 bar with PTFE coating -20°C to 150°C with PTFE coating)
	LP	AISI 316L stainless steel with PTFE coated (-1 bar to 40 bar with PTFE coating -20°C to 150°C with PTFE coating)
	Z	Special request
8.		Assembly
	D	Direct assembly
	1	1m 304 stainless steel remote capillary
	6	1.5m 304 stainless steel remote capillary
	2	2m 304 stainless steel remote capillary
	3	3m 304 stainless steel remote capillary
	4	4m 304 stainless steel remote capillary
	5	5m 304 stainless steel remote capillary
	8	8m 304 stainless steel remote capillary
	Z	Special request
9.		Filled Fluid
	B	Silicone Filled (Limited temperature range: -40/160°C)
	F	High temperature oil (High limited temperature range: -30/230°C)
	G	Food compatible fluid (Limited temperature range: -20/160°C)
	E	Fluorolube Filled (Limited temperature range: -50/150°C)