

Description & Features

- Welded internal diaphragm
- Facing diaphragm seal with flanged connection
- No sealing or clamping elements
- Compact type

Applications

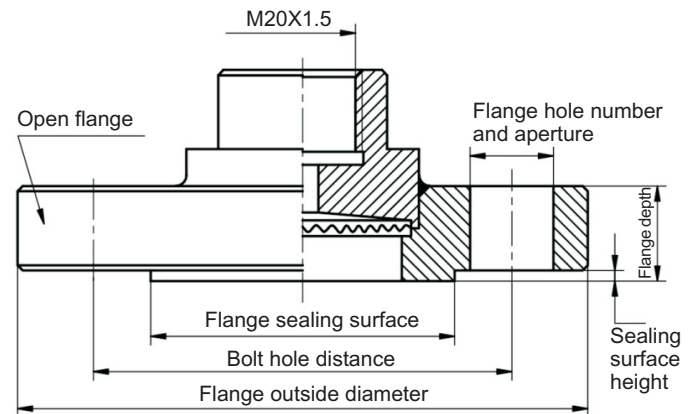
- Chemical process industry
- Petrochemical industry
- Suitable for corrosive, highly viscous, crystallising
- For small flanged process connections



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)**
AISI 316 stainless steel, standard
Option: - AISI 304 stainless steel
- AISI 316L stainless steel
- AISI 316 stainless steel with PTFE coated
- AISI 316L stainless steel with PTFE coated
- Other exotic material
- **Minimum operating pressure range**
-1...0 bar
- **Maximum operating pressure range**
0...60 bar
- **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 D51 Series

Field No.	Code	Specifications			
1.	D51	Series			
2.	A	Process Connection Standard			
		ASME B 16.5			
		EN 1092-1			
		Class series: HG/T 20615~20635 2009			
		PN series: HG/T 20592~20614 2009			
3.	A	Process Connection Flange Size			
		ASME B 16.5 HG/T 20615 - 2009			
		NPS			
		05	3/4" (Excluded vacuum pressure range)		
		10	1"		
		15	1.5"		
		20	2"		
		25	2.5"		
		ZZ	Special request		
		4.	A	EN 1092-1 HG/T 20592 - 2009	
				DN (Unit: mm)	
				B	DN 20 (Excluded vacuum pressure range)
				D	DN 25
				E	DN 40
				F	DN 50
Z	Special request				
4.	A	Process Connection Pressure Rating			
		ASME B 16.5 HG/T 20615 - 2009			
		Class			
		5	150		
		3	300		
		6	600		
		Z	Special request		
		5.	A	EN 1092-1 HG/T 20592 - 2009	
				PN (Unit: bar)	
				P	PN 16 bar
				K	PN 25 bar
				S	PN 40 bar
				V	PN 63 bar
B	PN 100 bar				
Z	Special request				
5.	A	Sealing Face			
		R	RF		
		F	FF (Class 150 only)		
		J	RTJ (Class 300~2500 only)		
		T	RJ (Class 300~2500 only)		
		Z	Special request		

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Field No.	Code	Specifications
6.		Diaphragm Materials
	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
7.		Wetted Parts 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)