

Description & Features

- Full covering flanged diaphragm seal - exotic materials
- Flange with a flush welded diaphragm
- Available for all common standards and nominal diameters

Applications

- Chemical process industry
- Petrochemical industry
- For aggressive, highly viscous, crystallising

**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

▪ Flange Material

AISI 316 stainless steel, standard
Option: - AISI 304 stainless steel
- AISI 316L stainless steel
- AISI 316 stainless steel with PTFE coated
- Other exotic material

▪ Pressure range

Depending on diaphragm size and process conditions

▪ Minimum operating pressure range

-1...0 bar

▪ Maximum operating pressure range

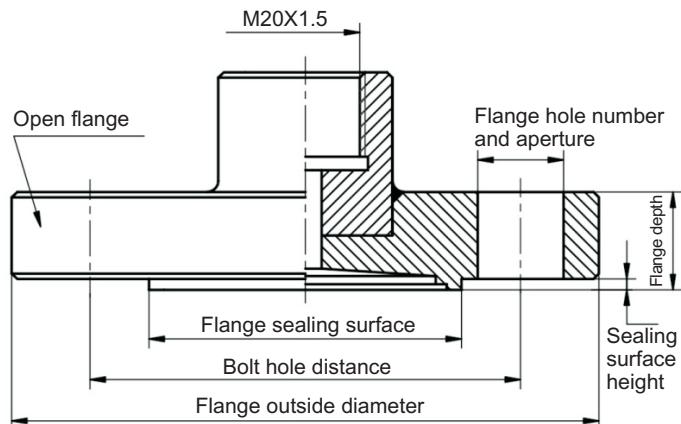
0...160 bar

▪ 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: 230°C)
Food compatible fluid (Limited temperature range: -20/160°C)
Fluorolube Filled (Limited temperature range: -80/130°C)

Dimensions

Ordering Code D39 Series

Field No.	Code	Specifications
1.	D39	Series
2.	A E C P	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.		Process Connection Flange Size ASME B 16.5 HG/T 20615 - 2009 NPS 15 1.5" (The minimum process connection pressure rating 300#, the maximum process connection pressure rating 600#) 20 2" 25 2.5" ZZ Special request EN 1092-1 HG/T 20592 - 2009 DN (Unit: mm) E DN 40 (The minimum process connection pressure rating PN40, the maximum process connection pressure rating PN100) F DN 50 Z Special request
4.		Process Connection Pressure Rating ASME B 16.5 HG/T 20615 - 2009 Class 5 150 3 300 6 600 9 900 1 1500 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 C PN 160 bar Z Special request Sealing Face
5.	R F J T Z	RF FF (Class 150 only) RTJ (Class 300~2500 only) RJ (Class 300~2500 only) Special request

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Field No.	Code	Specifications
Diaphragm Materials		
6. <input type="text"/>	L	AISI 316L stainless steel
	P	AISI 316L stainless steel with PTFE coated (-1 bar to 40 bar with PTFE coating -20°C to 250°C with PTFE coating)
	H	Hastelloy C
	A	Tantalum
	M	Monel
	Z	Special request
Flange Materials		
7. <input type="text"/>	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 250°C with PTFE coating)
	Z	Special request
Assembly		
8. <input type="text"/>	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
Filled Fluid		
9. <input type="text"/>	B	Silicone Filled (Limited temperature range: -40/160°C)
	F	High temperature oil (High limited temperature range: 230°C)
	G	Food compatible fluid (Limited temperature range: -20/160°C)
	E	Fluorolube Filled (Limited temperature range: -80/130°C)