DI

Diaphragm Seal
Flange - “I” section type

Flange Table With Ordering Codes

How To Select

e.g. For flange size of 3/4" 150# as per ANSI B 16.5 with raised face : B 15 - A2

A2 Raised Face **RTJ** Ring Type Joint
A3 Flat Face

Flange Finish shall be 125 - 250 AARH as a standard. For other finish, please consult factory.

As Per EN 1092-1

DN	PN	CODE
10	6	A01
	10	A02
	16	A03
	25	A04
	40	A05
	64	A06
	100	A07
	160	A08
	250	A09
	400	A10
15	6	A11
	10	A12
	16	A13
	25	A14
	40	A15
	64	A16
	100	A17
	160	A18
	250	A19
	400	A20
20	6	A21
	10	A22
	16	A23
	25	A24
	40	A25
25	6	A26
	10	A27
	16	A28
	25	A29
	40	A30
	64	A31
	100	A32
	160	A33
	250	A34
	400	A35

As Per ANSI B 16.5

NOMINAL SIZE	RATING /CLASS	CODE
½”	150	B09
	300	B10
	600	B11
	900	B12
	1500	B13
	2500	B14
¾”	150	B15
	300	B16
	600	B17
	900	B18
	1500	B19
	2500	B20

NOMINAL SIZE	RATING /CLASS	CODE
1”	150	B21
	300	B22
	600	B23
	900	B24
	1500	B25
	2500	B26

As Per JIS - B 2239

NOMINAL SIZE	RATING /CLASS	CODE
10A	5K	B57
	10K	B58
	40K	B59
15A	5K	B60
	10K	B61
	40K	B62
20A	5K	B63
	10K	B64
	40K	B65

NOMINAL SIZE	RATING /CLASS	CODE
25A	5K	B66
	10K	B67
	40K	B68

As Per BS - 10

NOMINAL SIZE	TABLE	CODE
½”	D	B84
	E	B85
	F	B86
	H	B87
	J	B88
	K	B89
¾”	D	B90
	E	B91
	F	B92
	H	B93
	J	B94
	K	B95

NOMINAL SIZE	TABLE	CODE
1”	D	B96
	E	B97
	F	B98
	H	B99
	J	C01
	K	C02

Design and specifications subject to change without notice

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DI

Diaphragm Seal
Flange - “I” section type

How To Order	Example
Basic Model	DI
Code	
Optional Extras	
[It is recommended that the MOC of Diaphragm should be equivalent or superior than the MOC of Bottom chamber.]	
Seal Type (* Not suitable for PTFE lining)	
S21 -1 to 0 kg/cm² & 0 to 70 kg/cm² (Standard)* **S22** 100 kg/cm² to 400 kg/cm² **S23** -1 to 0 kg/cm² & 0 to 70 kg/cm²	XXX
Instrument Connection	
VP 3/8” BSP (F) **VL** ½” BSP (F)(Standard) **VM** ½" NPT (F)	XX
Top Chamber	
XW AISI 304 SS (Standard) **XY** AISI 316 SS **YA** AISI 316L SS **YC** Carbon Steel	XX
Diaphragm	
UJ AISI 316L SS (Standard) **UR** Titanium **UL** Hastelloy 'C' **U5** Inconel 625 **U7** Duplex SS - Grade 2205 (UNS S32205) **UM** Monel **UQ** Tantalum	XX
Sealing Gasket	
VI PTFE (Standard) **YR** Metal (Suitable for Type “S22" only)	XX
Bottom Chamber (I Section) (*Refer Pressure v/s Temperature table below.)	
TM AISI 316 SS (Standard) **TZ** PVC'* **TK** AISI 304 SS **UA** PVDF* **TL** AISI 316L SS **TY** POLYPROPELENE* **UH** Titaniun **TT** Hastelloy C **TX** Monel **TN** Carbon Steel	XX
Process Connection	
As Per DIN / BS / ANSI/ JIS (select Code From Flange Table)	XXX
Tension Flange & Nut - Bolts (*Nut & Bolts will be AISI 304 SS)	
VB Pressed Steel - Cup Type (Powder coated) (standard) (Suitable for Type “S21" only) **XR** AISI 316 SS* **XQ** AISI 304 SS	XX
Protection On Wetted Parts	
VS PTFE Lining on Bottom Chamber (”I” Section) - 2 mm Thick (Max. Up to 150°C) **VW** PTFE Lining on Bottom Chamber (”I” Section) - 3 mm Thick (Max. Up to 150°C) **VV** PTFE Protection for Diaphragm (Max. Up to 150°C) Suitable for Pressure Ranges only) **VZ** PTFE Coating on Diaphragm (Max. Up to 315°C)	XX
Filling Fluids (* Consult factory for specifications, price and delivery)	
UX Silicon DC 200 [-40 to 205°C] (Standard) **VA** Syltherm 800 [-40 to 315°C] **UU** Flurolube FS-5 [-28 to 148°C] **VB** Syltherm XLT [-100 to 260°C] **UV** Food Grade Oil [-20 to 140°C] **VC** Halocarbon Oil* **U2** SV Sigma Silicon Oil [-20 to 255°C] **U3** LRS9 Silicon Oil [-40 to 400°C]	XX
Remote Mounting (With capillary of Max. Up to 6 Mtrs.)	
Specify In Meters (e.g. 1.5 = 1.5 METERS 2.0 = 2 METERS)	3Mtr.
Capillary	
PE AISI 304 SS **PG** AISI 316 SS	XX
Capillary Covered With Armour (Applicable with PE or PG if selected)	
PF AISI 304 SS **PH** AISI 316 SS **PI** PVC (Ambient Temp. Max. 60°C)	XX
Other Options	
TB Helium Leak Test **TC** Dry Seal Only Without Instrument **GH** Material Test Certificates*	XX
TF Conformity as per NACE Standard	
* Material test certificates will be provided for wetted parts only with chemical composition testing. For others, please consult factory.	
Refer Datasheet EE for selection of Flushing Rings.	
Ordering Example: DI . XXX . XX . XX . XX . XX . XX . XXX . XX . XX . XX . 3Mtr . XX . XX . XX	

MOC OF BOTTOM CHAMBER	PRESSURE V/S TEMPERATURE					
	20 °C	40 °C	60 °C	80 °C	100 °C	120 °C
PVDF	10 kg/cm²	10 kg/cm²	10 kg/cm²	7kg/cm²	4kg/cm²	2kg/cm²
PP	10 kg/cm²	10 kg/cm²	6kg/cm²	4kg/cm²	1 kg/cm²	NA
PVC	10 kg/cm²	10 kg/cm²	4kg/cm²	1 kg/cm²	NA	NA

For other optional items, please contact factory for delivery and minimum quantity of order.
Note : Specifications and dimensions given in this product catalogue represents the state of engineering at the time of printing.
Modifications may take place and materials specified may be replaced by others without prior notice.

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