



Special Features

- Continuous duty
- Flushing ring (optional)
- "I" Section extension to facilitate smaller flange sizes
- Suitable for corrosive & viscous service

Application

- Diaphragm seals are provided in the instruments like pressure gauges, switches, transmitters in order to isolate the sensing element from the main service due to its corrosive, viscous and sedimented nature and to avoid clogging and solidification
- This can be widely used with anti corrosive treatment/protection & various flanged sizes

Specifications

Standard Version (preferable For Flange Size below 1")
(compatible Models : AH, AI, AL, AQ, BA, BE, BI, BJ, BQ, BT & MPG6)

Seal type & Range	:	S21= -1 to 0 kg/cm ² & 0 to 70 kg/cm ² * (Standard) (Not suitable for PTFE lining)
	:	S22 = 100 kg/cm ² to 400 kg/cm ² *
	:	S23= -1 to 0 kg/cm ² & 0 to 70 kg/cm ² *
Process temperature	:	Max. 150°C for PTFE lined
	:	- 40°C to 200°C for without PTFE lined
Instrument connection	:	½" BSP (F)
Process connection	:	Flange (as per DIN/BS/ANSI/JIS) Finish 125 - 250 AARH
Fill fluid	:	Silicon Oil - DC 200
Mounting	:	Direct (without capillary)

* Range of selected instrument shall be suitable to flange pressure rating.

Diaphragm	:	AISI 316L SS
Top chamber	:	AISI 304 SS
Bottom chamber ("I" section)	:	AISI 316 SS flange (as per DIN/BS/ANSI/JIS)
Tension Flange	:	Pressed Steel - Cup type (Powder coated)
Nut & bolts	:	AISI 304 SS
Sealing gasket	:	PTFE

Dimensions - Standard Version

TYPE "S21"- STANDARD VERSION

Seal Type	Ranges	A	B	C	E	H	G
S21	-1 to 0 kg/cm ² 0 to 70 kg/cm ²	30	31	75	*	98	½" BSP (F)

TYPE "S22"

Seal Type	Ranges	A	B	C	E	H	G
S22	100 to 400 kg/cm ²	30	44	50	*	110	½" BSP (F)

TYPE "S23"

Seal Type	Ranges	A	B	C	E	H	G
S23	-1 to 0 kg/cm ² 0 to 70 kg/cm ²	30	31	75	*	98	½" BSP (F)

* As per standard flange table ANSI, DIN, BS, JIS Etc., Notes : • Drawings are not to scale. • All Dimensions are in mm.

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
1/2"	150	B09
	300	B10
	600	B11
	900	B12
	1500	B13
	2500	B14
3/4"	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
1/2"	D	B84
	E	B85
	F	B86
	H	B87
	J	B88
	K	B89
3/4"	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

