

Lineup of 3-type special seat material. Available for variety of fluids.

Specifications

Maximum service pressure	
PN10	10bar (1.0MPa)
Body material	
Ductile iron	EN-GJS-450-10, Equivalent to ASTM A536 Gr. 65-45-12, BS 2789 Gr. 40/10 ¹
¹ Obsolete Standard.	
Applicable standards	
Valve design	EN 593:2004
Coupling flanges	
Wafer type	EN1092 PN6, PN10, PN16 BS10 Table E ASME Class125, Class150

Cv value

Size		Open degree							
DN	NPS	20°	30°	40°	50°	60°	70°	80°	90°
50	2	8	17	29	42	56	75	86	88
65	2½	16	36	60	88	122	172	219	246
80	3	21	45	75	113	165	248	345	415
100	4	3	65	109	172	274	446	689	886
125	5	47	95	160	255	406	655	997	1250
150	6	68	138	234	375	598	958	1430	1760
200	8	116	241	419	681	1080	1700	2470	2900
250	10	160	325	575	950	1510	2420	3460	4020
300	12	258	493	859	1410	2260	3610	5160	6010

Feature

Three types of seat material

The three types of seat material are as follows; VMQ (Silicone rubber), which can be used for a wide range of temperature applications; W-NBR (White NBR), which is suitable for use in the food processing industry; and FKM (Fluoro rubber), which has properties such as strength and durability for use in a variety of fluid applications. W-NBR and VMQ meet the requirement of the FDA.*

*All the above-listed materials used are approved by FDA, and the seats are manufactured within the maximum allowable limitations and restrictions.

Suitable for various flanges

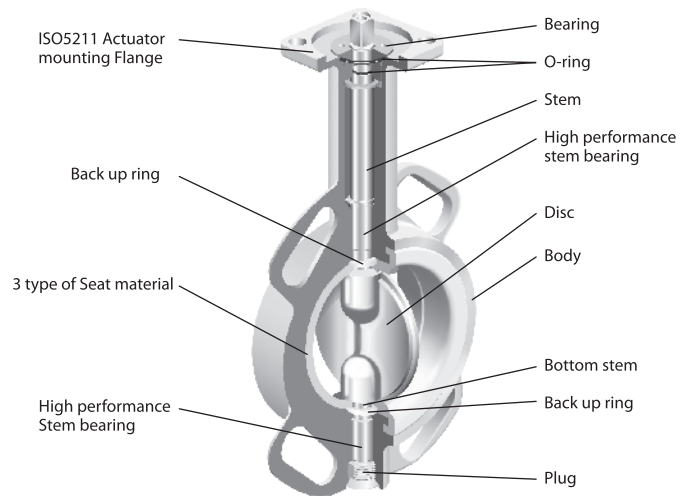
All the sizes are suitable for the flanges of EN1092 PN6, PN10, PN16/BS10 Table E / ASME Class 125 and Class 150.

Integral ISO 5211 actuator mounting flange

Any pneumatic or electric valve actuator provided with the ISO 5211 valve mounting flange can be easily mounted for the actuation of valves in the field.

High-performance stem bearing having additional strength to withstand high temperature and high pressure

The stem bearing of the EJ series is a multilayered backmetal to provide a high-performance bearing surface capable of withstanding high pressure and temperature.



Standard Materials

* Tetrafluoroethylene resin filled overlay, a sintered bronze interlayer and a steel backing.

Parts	Materials
Body	Ductile iron [EN-GJS-450-10]
Stem	Stainless Steel [AISI 410]
Disc	Stainless Steel [A351 Gr.CF8M]
Seat	W-NBR (White NBR) VMQ (Silicone rubber) FKM (Fluoro rubber)
O-ring	FKM
Bearing	Multi-layered bearing*
Stem bearing	Multi-layered bearing*
Plug	Zinc die-cast
Bottom stem	Stainless Steel [AISI 410]

Backup ring to maintain the stem sealing

The backup ring around the stem maintains the performance of the stem sealing by the movement of the stem / disc in the sealing / seat of the valve.

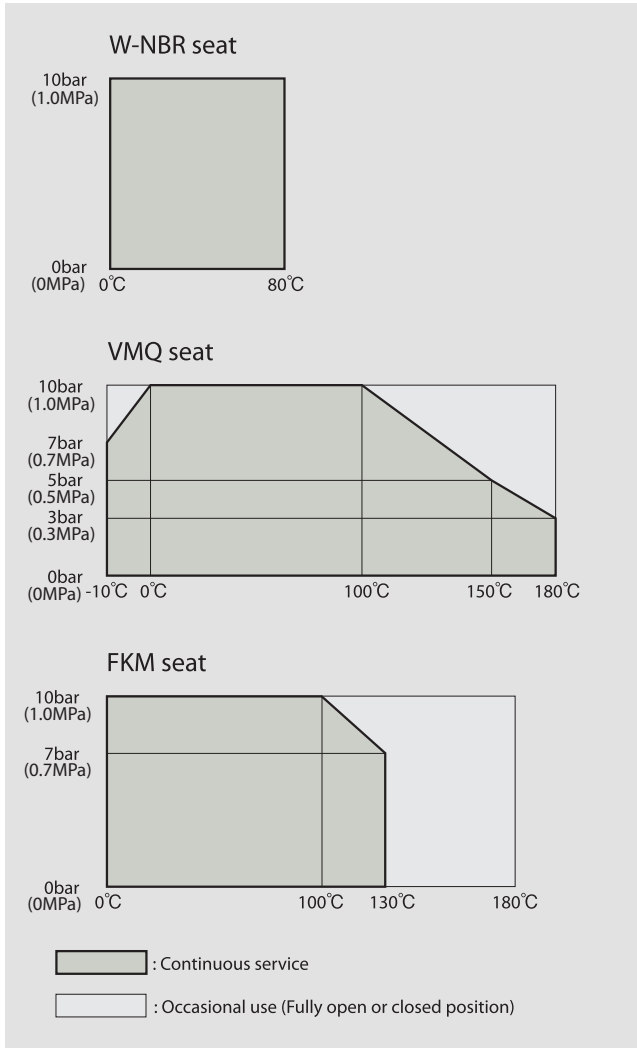
Stainless steel bearing features

Embedded within the stainless upper body bearing is a multi-layered bearing for providing smooth stem operation. Also housed within the stem bearing is a snap ring to provide protection and prevent blow out of the stem due to internal pressure.

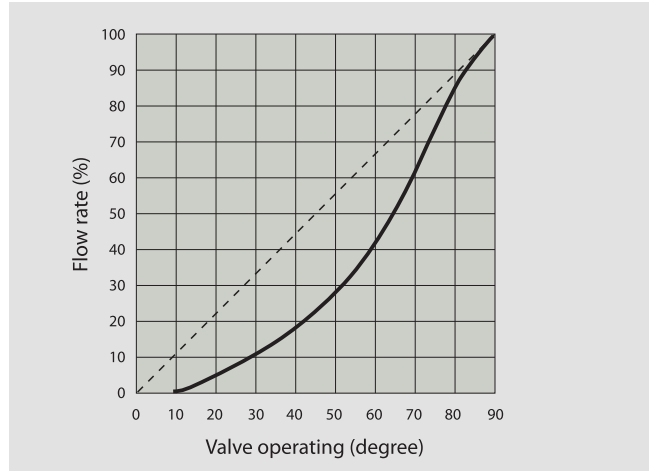
Polished disc

The polished disc is standard for VMQ and optional for W-NBR seats for use within the food and pharmaceutical industry.

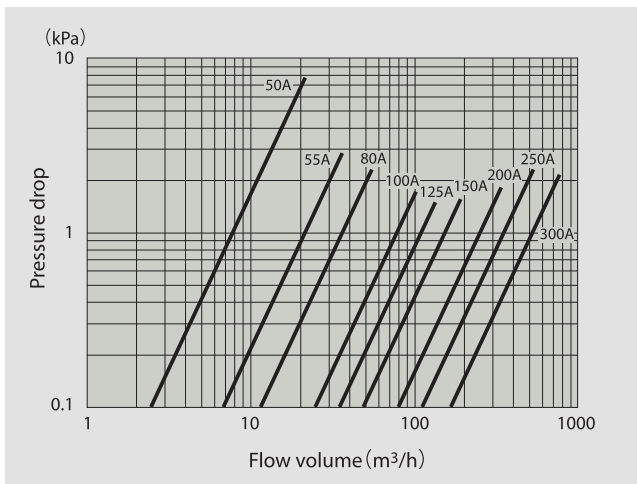
P-T Rating



Flow Characteristics



Pressure Loss



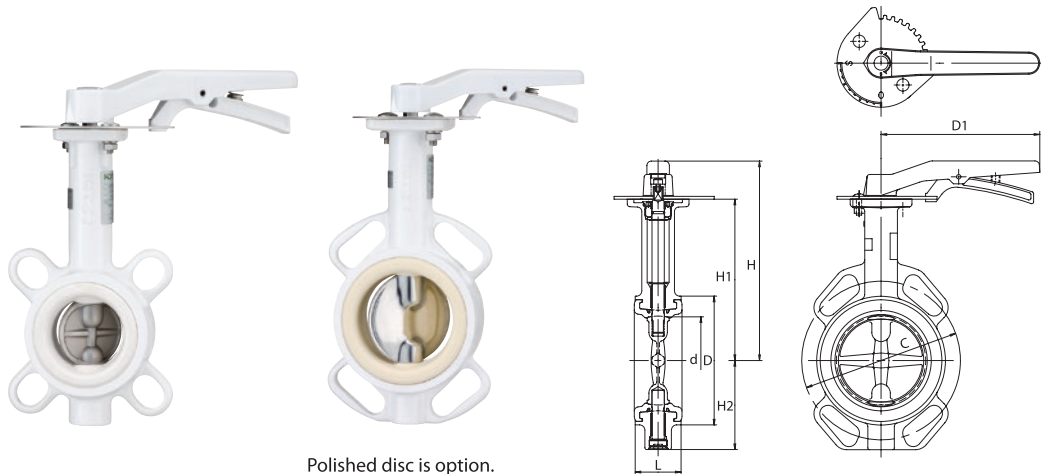
Wafer Type

Lever Operated

PN10EJM□□

□□ of product coding are trim material coding

For trim material coding, please refer to page 1.



Polished disc is option.

Dimensions

unit: mm

Size		d	H	H1	H2	L	D	C	D1
DN	NPS								
50	2	49	191	147	67	43	90	125	180
65	2½	65	199	155	75	46	104	145	180
80	3	79	217	173	91	46	124	160	180
100	4	100	227	183	101	52	146	180	180
125	5	125	265	211	127	56	176	210	230
150	6	147	277	223	139	56	206	240	230
200	8	197	287	248	169	60	257	295	350