

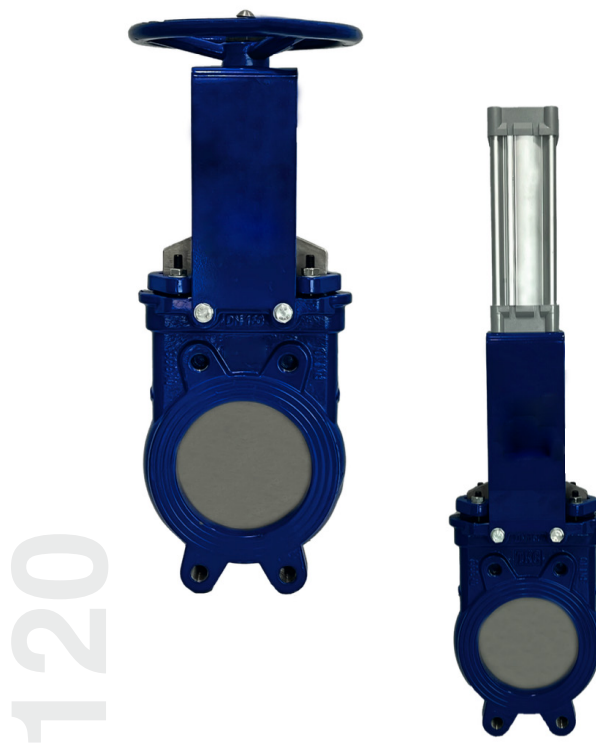


MV-120

KNIFE GATE VALVE

Production Standards

Size Range	DN50 - DN600
Pressure Range	PN10
Connection	EN 1092-2 / ISO 7005-2
Face to Face	EN 558 Series
Marking	EN 19
Tests	EN 12266-1
Coating	Electrostatic Powder Epoxy
Temperature	+50 °C (NBR)



Product Description

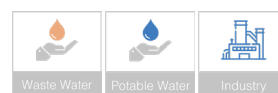
MV-120 Knife Gate Valve works by allowing thick medium to easily flow over soft seals with no trespassing. They work by chopping up the medium as it passes through the valve. This makes it easier for the valve to handle thick flows of medium including grease, oils, slurry, waste water and paper pulp. Due to this, knife gate valves have low pressure limitations and are designed to seat the blade into a soft seal without disruption.

Application Areas

- Slurry fluids
- Industrial application
- Waste water
- Water treatment plants
- Seawater applications
- Hot and cold water
- Pumping stations
- Tanks

Accessories

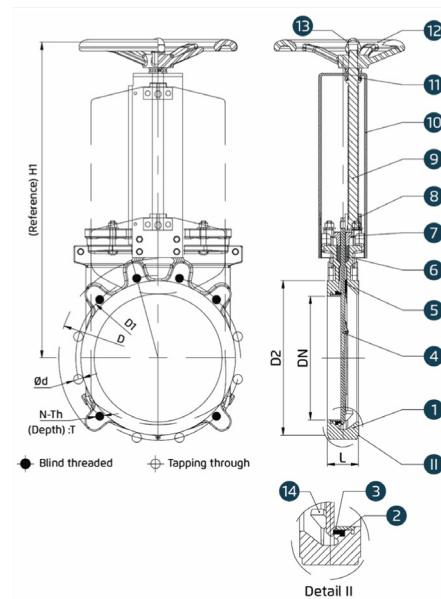
- Surface box cast iron
- Flange adaptors
- Telescopic extension spindle
- Dismantling joints
- Handwheels



Product Features

- Uni-directional and Bi-directional.
- Suitable for liquids that contain a maximum of 5% suspended solids
- Full bore for greater flow capacity and minimal pressure drop
- IV-120 is a rising stem type model and non-rising stem model is also available.
- EPDM rubber gasket seat is inserted inside the body cavity
- Brass stem nut provides fixation of the stem and low torques
- Stainless steel gate polished both sides to avoid jamming and seat damage.
- Slim design and low weight
- Due to design, operating pressure is lower than nominal pressure for larger diameters.

No	Part	Material
1	Body	GGG40
2	Seat	EPDM
3	Steel Ring	SS304
4	Disc	SS304
5	Guide Pad	PTFE
6	Packing	PTFE
7	Packing Gland	WCB
8	Nut	Brass
9	Stem	2Cr13(SS420)
10	Yoke	Q235(Cr.D)
11	Bearing	Gcr15
12	Handwheel	GGG40
13	Cap	Q235(Cr.D)
14	Wedge	GGG40



DN	L	D	D1	D2	D0	N-Th	T	●	⊕	d	H1
50	48	165	125	99	180	4-M16	12	2	2	Ø18	292
65	48	185	145	118	200	4-M16	12	2	2	Ø18	320
80	51	200	160	132	200	8-M16	12	2	6	Ø18	348
100	51	220	180	156	240	8-M16	12	2	6	Ø18	395
125	57	250	210	184	260	8-M16	14	2	6	Ø18	450
150	57	285	240	211	280	8-M20	14	2	6	Ø23	504
200	70	340	295	266	300	8-M20	18	2	6	Ø23	617
250	70	395	350	319	320	12-M20	18	4	8	Ø23	758
300	76	445	400	370	350	12-M20	20	6	6	Ø23	857
350	76	505	460	429	400	16-M20	20	10	6	Ø23	946
400	89	565	515	480	450	16-M20	24	10	6	Ø27	1023
500	114	670	620	582	450	20-M24	27	14	6	Ø27	1210