

Needle Valve - Cartridge, Model : KHNL



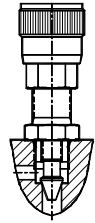
the right connection
the right environment

Ref. No : H03082, Release March 2018 (Dimensions in mm)

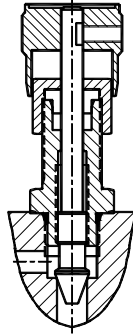
Description

Cartridge type Needle valves model KHNL are rising spindle, seat type valves with metal seat for leak-free closure between its port 'A' & 'B'.

The mounting cavity confirms to Factory standard.



Section

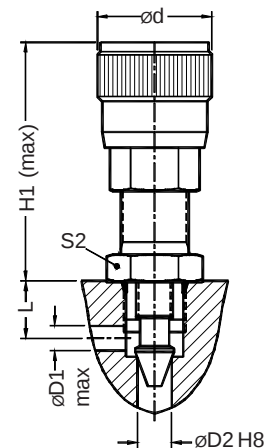


Hydraulic Symbol

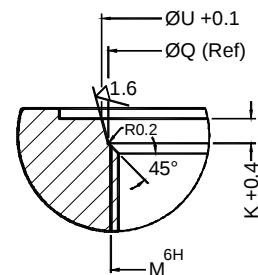
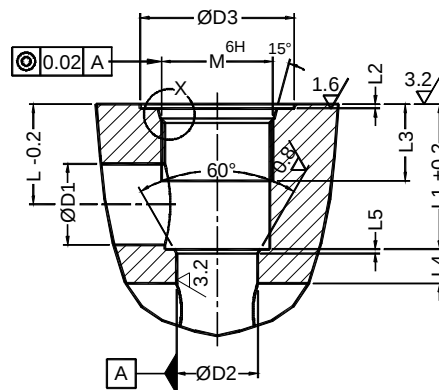
Unit Dimensions

Valve

Model Code	Size	L	H1	ØD1	ØD2	Ød	S2
KHNL08-2.0	8	18	85.5	11	8	37	27
KHNL11-2.0	11	18	85.5	11	11	37	27
KHNL14-2.0	14	23	87.0	19	14	48	32
KHNL19-2.0	19	23	87.0	19	19	48	32
KHNL28-2.0	28	33	108.5	28	28	68	50



Cavity machining details



Model Code	ØD1	ØD2	ØD3	L	L1	ØU	ØQ	L2	L3	L4	L5	K	M
KHNL08-2.0	10	8	31.0	18	24	21.8	20.5	0.2	16	3	0.5	2.4	M20x1.5
KHNL11-2.0	10	11	31.0	18	24	21.8	20.5	0.2	16	3	0.5	2.4	M20x1.5
KHNL14-2.0	19	14	36.0	23	33	27.8	26.5	0.2	18	5	1.0	2.4	M26x1.5
KHNL19-2.0	19	19	36.0	23	33	27.8	26.5	0.2	18	5	1.0	2.4	M26x1.5
KHNL28-2.0	28	28	54.5	33	51	44.4	42.7	1.0	24	7	1.5	3.1	M42x2.0

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Technical Specifications

Construction Seat type valve.

Mounting Insert in cavity conforming to factory standard.

Mounting position Optional.

Flow direction From port 'A' to port 'B'.

Operating pressure 350 bar.

Hydraulic medium Mineral oil.

Viscosity range 10 cSt to 380 cSt.

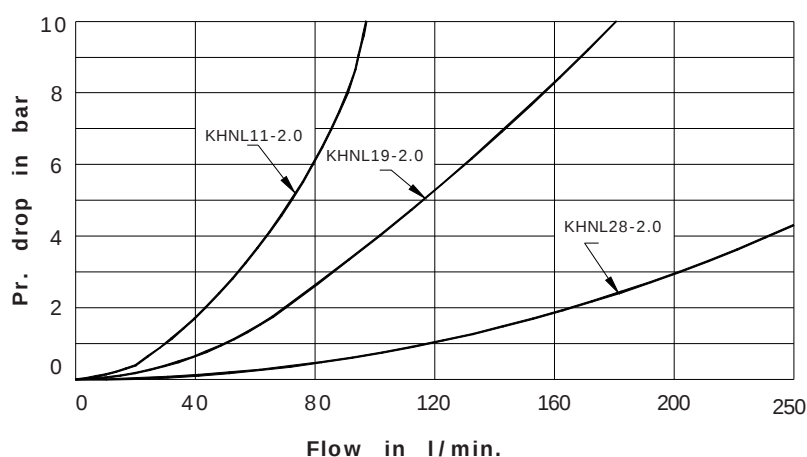
Fluid temperature range -20 °C to +70 °C.

Fluid cleanliness requirement As per ISO 19/16 or better.

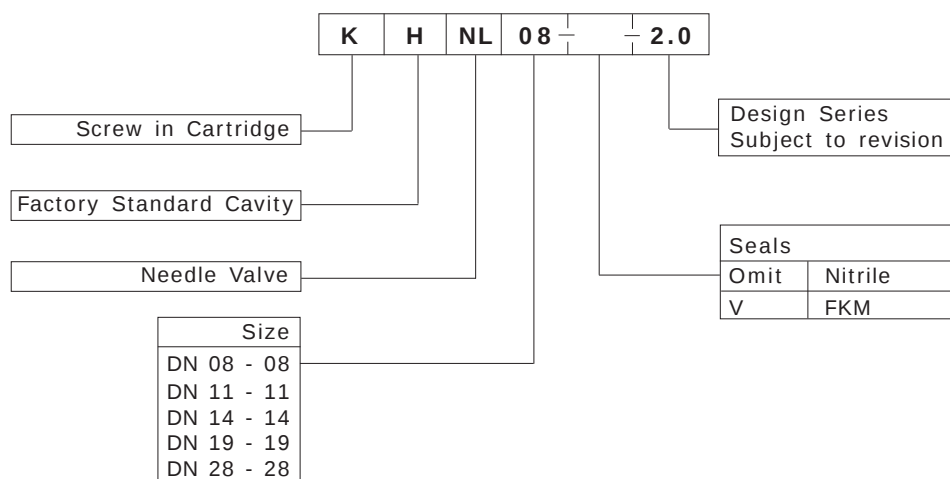
Maximum flow handling capacity Refer graph.

Expected performance Curves

Oil used : ISO VG 68,
Viscosity : 68 cSt @ 40 °C
Test conducted at : 50 °C.



Ordering Code



Note : Add prefix 316 to the existing part code for SS 316 valves. e.g. **316-KHNL08-2.0**