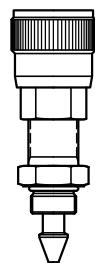


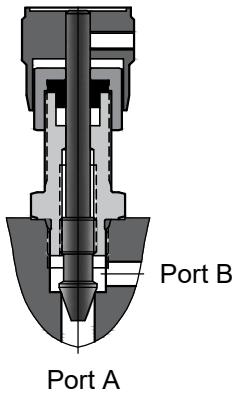
Description

Needle valve Cartridge **KHNL** are rising spindle, seat type valves with metal to metal seat for leak free closure between its port 'A' and Port 'B'

The mounting cavity conforms to Factory standard.



Section



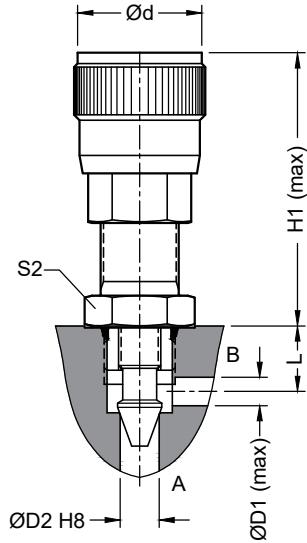
Hydraulic Symbol



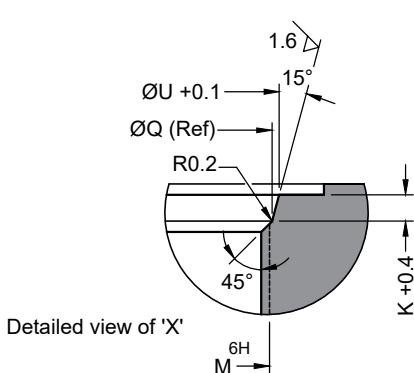
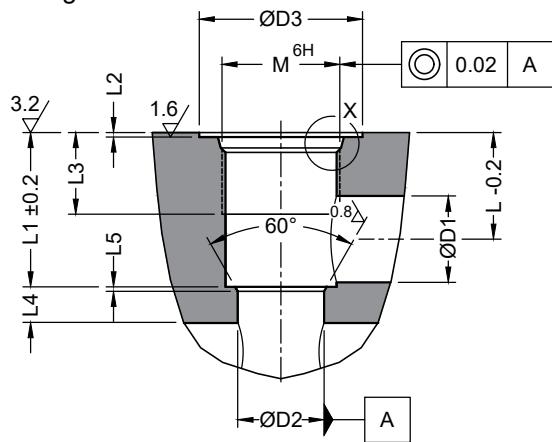
Unit Dimensions

Dimensions in mm

Part code	Size	L	H1	ØD1	ØD2	Ød	S2
KHNL08-2.0	08	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



Dimensions in mm

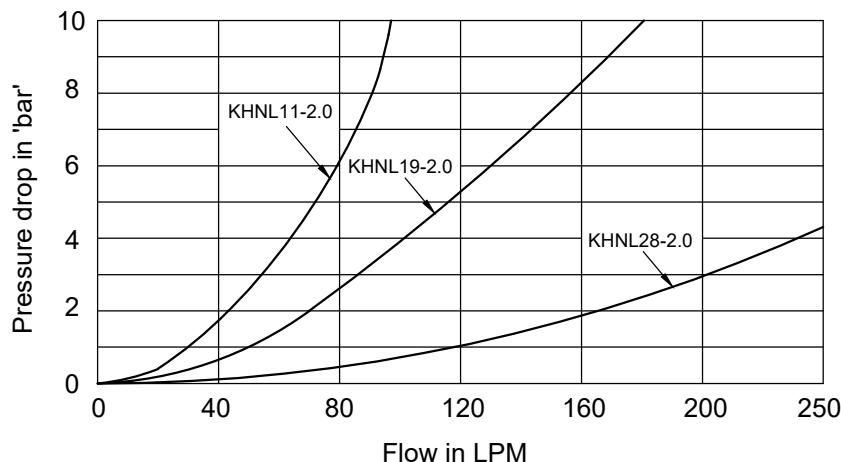
Part code	ØD1	ØD2	ØD3	L	L1	ØU	ØQ	L2	L3	L4	L5	K	M
KHNL08-2.0	10	8	31.0	18	24	21.8	20.5	0.2	16	3	0.5	2.4	M20 x 1.5
KHNL11-2.0	10	11	31.0	18	24	21.8	20.5	0.2	16	3	0.5	2.4	M20 x 1.5
KHNL14-2.0	19	14	36.0	23	33	27.8	26.5	0.2	18	5	1.0	2.4	M26 x 1.5
KHNL19-2.0	19	19	36.0	23	33	27.8	26.5	0.2	18	5	1.0	2.4	M26 x 1.5
KHNL28-2.0	28	28	54.5	35	51	44.4	42.7	1.0	24	7	1.5	3.1	M42 x 2.0

Technical Specifications

Construction ----- Seat type valve
 Mounting type ----- 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 4406 20/18/15
 Nom. flow handling capacity ----- Refer graph

Performance curves

Oil used : ISO VG 68
 Viscosity : 68 cSt @ 40 °C
 Test conducted at : 50 °C
 Condition : Valve fully opened

**Ordering Code**