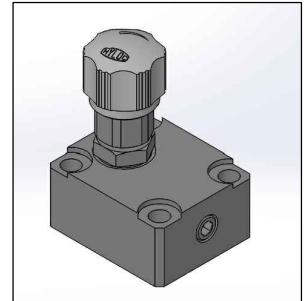


## Description

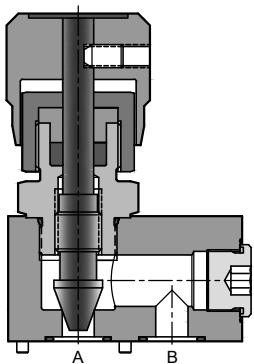
Needle valves model **MHNL** are rising spindle valves with taper needle construction.

The throttle is effective in either direction.

The mounting interface conforms to factory standard.



## Section



Model : **MHNL**

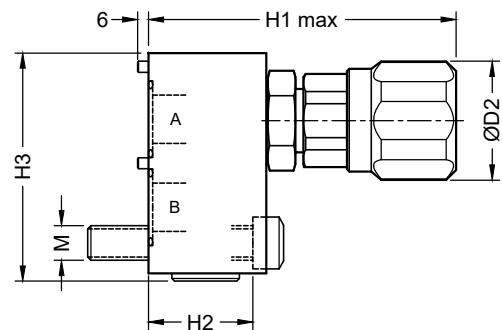
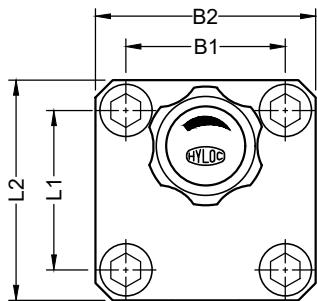
Hydraulic Symbol



## Unit Dimensions

Sub-plate mounting

Dimensions in mm.



Size	Part code	B1	B2	L1	L2	H1	H2	H3	ØD2	Mounting screws (10.9)	Torque	Mass (Kg)
<b>DN 11</b>	<b>MHNL11-2.0</b>	47.8	65	60.5	78	116.0	35.0	79	40	M10 x 50 Long	20 Nm	1.5
<b>DN 19</b>	<b>MHNL19-2.0</b>	65.0	97	81.0	113	140.0	26.0	118	48	M16 x 50 Long	110 Nm	3.6
<b>DN 28</b>	<b>MHNL28-2.0</b>	92.0	127	92.0	127	156.5	60.0	131	68	M20 x 90 Long	225 Nm	8.5

## Technical Specifications

Construction ----- Rising conical spindle.

Hydraulic medium ----- Mineral oil.

Mounting style ----- Sub-plate mounting.

Viscosity range ----- 10 cSt to 380 cSt.

Mounting Interface ----- Factory standard.

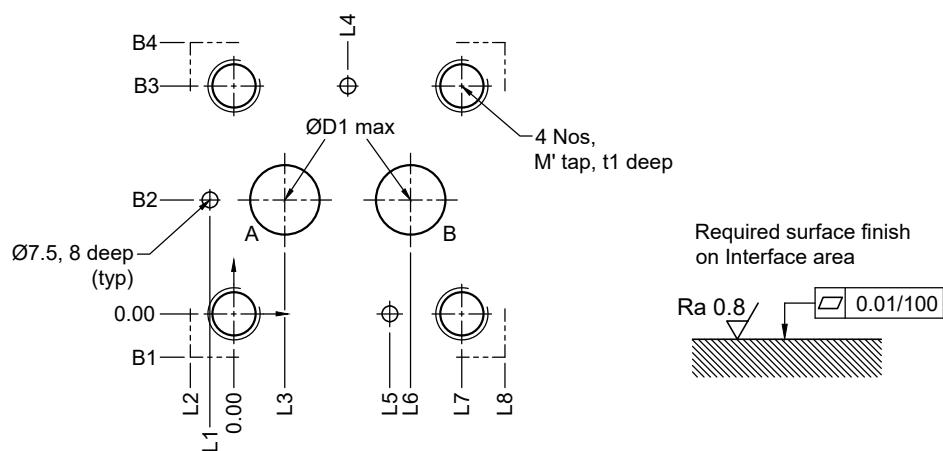
Fluid temperature range ----- -20 °C to +70 °C

Flow direction ----- From 'A' to 'B' or 'B' to 'A'

Fluid cleanliness requirement ----- As per ISO 4406 20/18/15

Operating pressure ----- 350 bar.

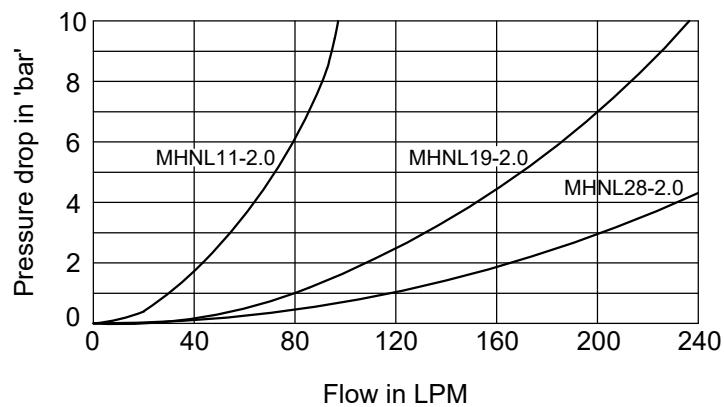
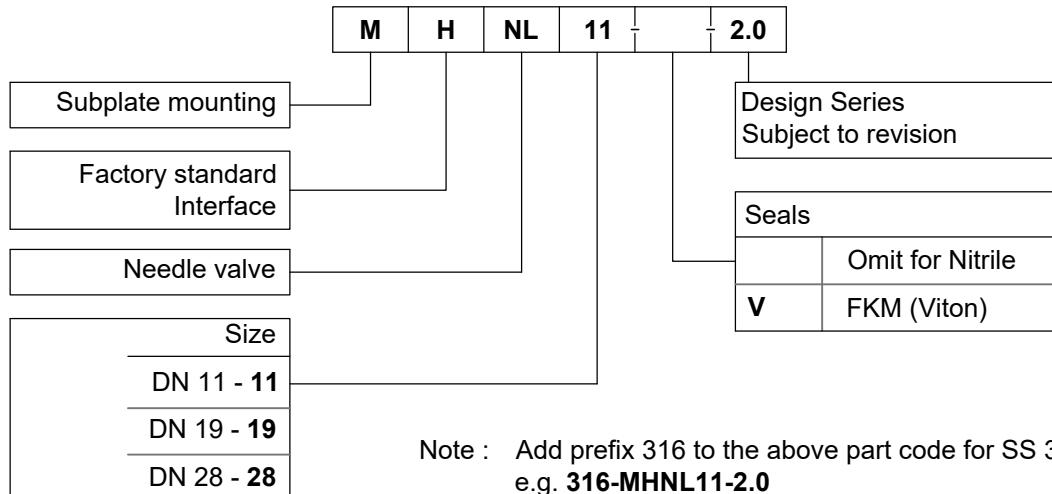
Nom. flow handling capacity ----- Refer graphs

**Interface - Factory standard**


Size	Part code	ØD1	L1	L2	L3	L4	L5	L6	L7	L8	B1	B2	B3	B4	M	t 1
DN 11	MHNL11-2.0	11.0	---	-8.6	12.7	30.3	47.8	47.8	60.5	69.4	-8.6	23.9	47.8	56.4	M10	18
DN 19	MHNL19-2.0	19.0	-8.70	-16.0	22.2	40.5	---	68.3	81.0	97.0	-16.0	32.5	65.0	81.0	M16	28
DN 28	MHNL28-2.0	28.0	-9.65	-17.5	20.6	46.0	---	71.4	92.0	109.5	-17.5	46.0	92.0	109.5	M20	35

**Performance curves**

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


**Ordering Code**


Note : Add prefix 316 to the above part code for SS 316 Valves.  
e.g. 316-MHNL11-2.0