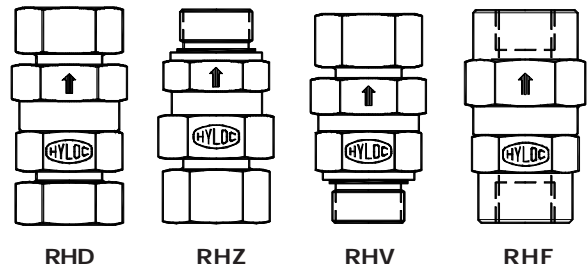


**Description**

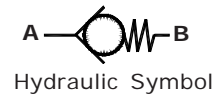
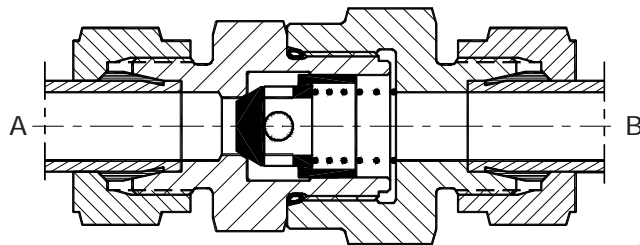
Poppet type valves.  
Allows free flow from port A to B and offer leakage free closure in opposite direction.

Four basic models : RHD, RHZ, RHV and RHF  
Seven standard sizes : NG 06, NG 08, NG 10, NG 15, NG 20, NG 25, NG 30

Four cracking pressure : 0.5, 1.5, 3 and 5 bar.



**Section**

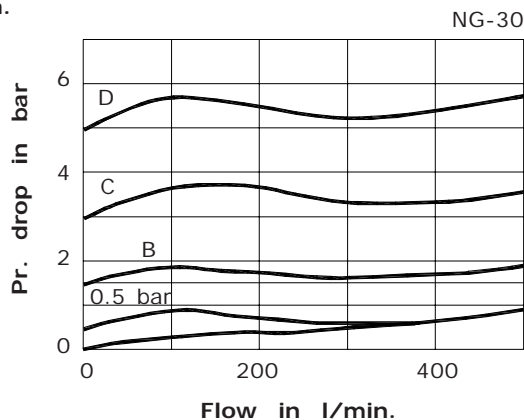
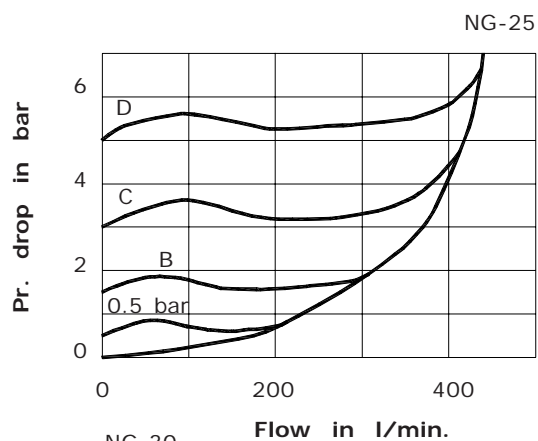
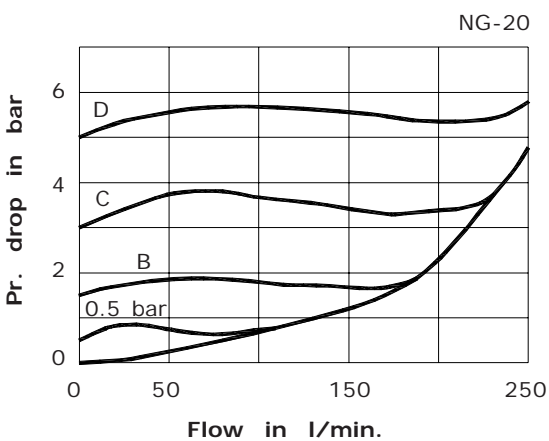
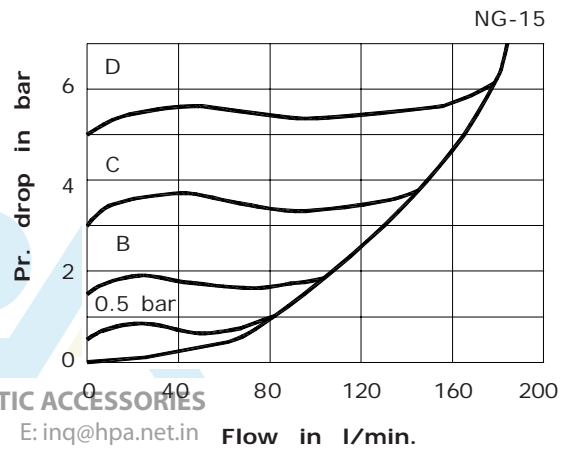
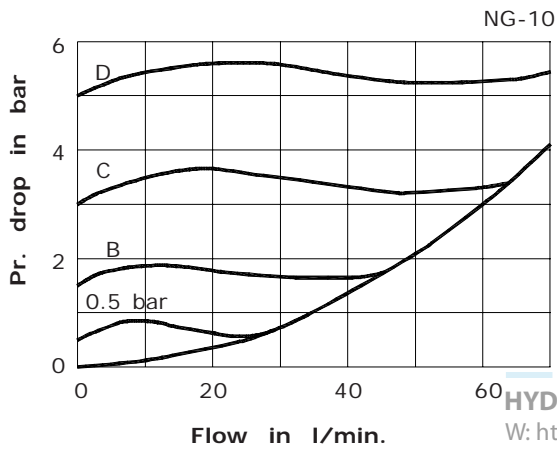
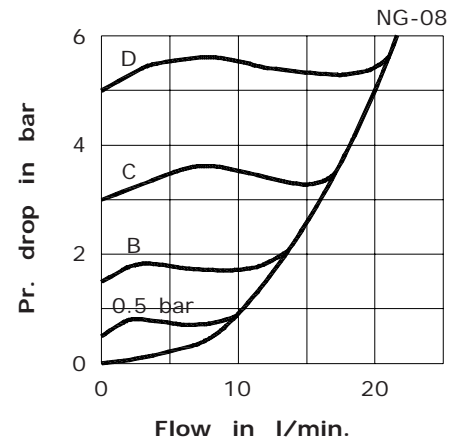
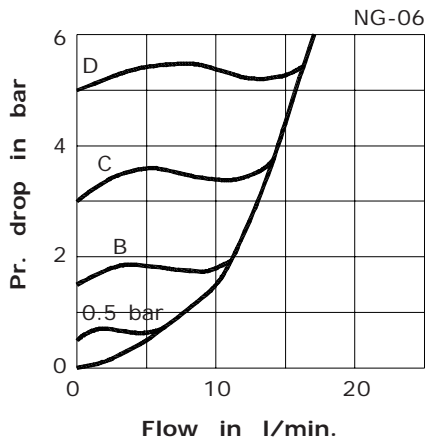


**Technical Specifications**

- Construction . . . . . Poppet type
- Mounting style . . . . . In line
- Mounting position . . . . . Optional
- Cracking pressure available . . . . . 0.5, 1.5, 3, and 5 bar
- Code for cracking pressure options . . . . . Omit, B, C, and D respectively.
- Flow direction . . . . . From port `A' to port `B'.
- Operating pressure . . . . . 315 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



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## RHD

Tube connection as per DIN 2353 at both ends

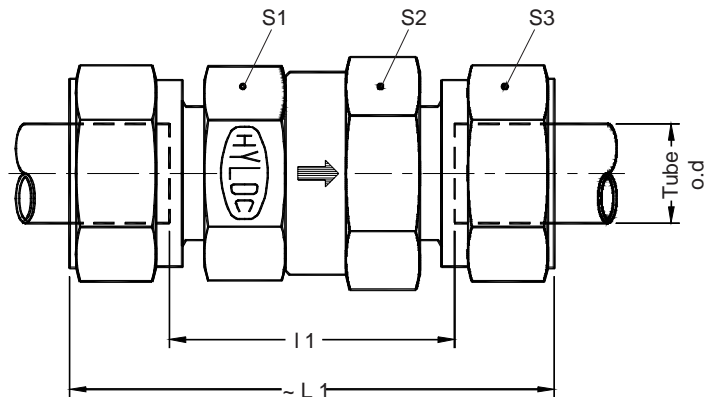


Table 1

Ordering Code	Size	Tube od	S1	S2	S3	L1	I1					
RHD06PL-2.0	NG-06	6 - L	22	24	14	65.5	35.5					
RHD08PL-2.0		8 - L			17							
RHD06PS-2.0		6 - S			17							
RHD08PS-2.0		8 - S			19							
RHD10PL-2.0	NG-08	10 - L	32	36	19	76.0	46.0					
RHD10PS-2.0		10 - S			22							
RHD12PS-2.0		12 - S			24							
RHD12PL-2.0	NG-10	12 - L	32	36	22	77.5	47.5					
RHD15PL-2.0		15 - L			27							
RHD14PS-2.0		14 - S			27							
RHD16PS-2.0		16 - S			30							
RHD18PL-2.0		NG-15			18 - L			41	46	32	87.5	54.5
RHD20PS-2.0					20 - S					36		
RHD22PL-2.0	NG-20	22 - L	50	55	36	103	70.0					
RHD25PS-2.0		25 - S			46							
RHD28PL-2.0	NG-25	28 - L	55	60	41	112	79.0					
RHD30PS-2.0		30 - S			50							
RHD35PL-2.0		NG-30			35 - L			65	70	50	130	87.0
RHD42PL-2.0	42 - L		60									
RHD38PS-2.0	38 - S		60									

**RHZ**

Tube connections (DIN2353) at inlet  
BSP Male stud (ED) at outlet

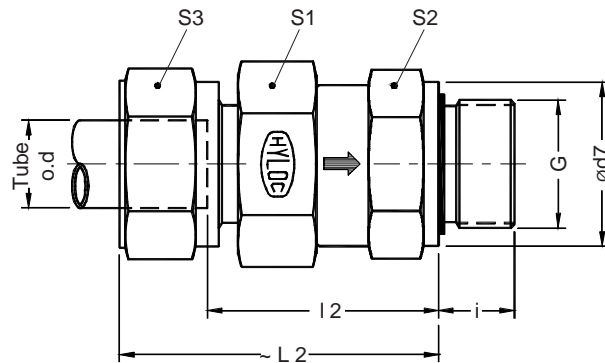


Table 2

Ordering Code	Size	Tube od	S1	S2	S3	L2	L2	i	G	Ød7										
RHZ06PLGE-2.0	NG-06	6 - L	22	24	14	49.0	34.0	8.0	G 1/8	14										
RHZ08PLGE-2.0		8 - L			17						49.5	34.5	12.0	G 1/4	19					
RHZ06PSGE-2.0		6 - S			17											51.5	36.5	12.0	G 1/4	19
RHZ08PSGE-2.0		8 - S			19															
RHZ10PLGE-2.0	NG-08	10 - L	32	36	19	59.0	44.0	12.0	G 1/4	19										
RHZ10PSGE-2.0		10 - S			22						61.5	45.0	12.0	G 3/8	22					
RHZ12PSGE-2.0		12 - S			24											61.5	45.0	12.0	G 3/8	22
RHZ12PLGE-2.0	NG-10	12 - L	32	36	22	61.0	46.0	12.0	G 3/8	22										
RHZ15PLGE-2.0		15 - L			27						62.5	47.5	14.0	G 1/2	27					
RHZ14PSGE-2.0		14 - S			27											66.5	48.5	14.0	G 1/2	27
RHZ16PSGE-2.0		16 - S			30															
RHZ18PLGE-2.0	NG-15	18 - L	41	46	32	69.5	53.0	14.0	G 1/2	27										
RHZ20PSGE-2.0		20 - S			36						75.5	54.0	16.0	G 3/4	32					
RHZ22PLGE-2.0	NG-20	22 - L	50	55	36	83.0	66.5	16.0	G 3/4	32										
RHZ25PSGE-2.0		25 - S			46						90.0	66.0	18.0	G1	40					
RHZ28PLGE-2.0	NG-25	28 - L	55	60	41	92.0	75.5	18.0	G1	40										
RHZ30PSGE-2.0		30 - S			50						102.0	75.5	20.0	G1.1/4	50					
RHZ35PLGE-2.0	NG-30	35 - L	65	70	50	106.0	84.5	20.0	G1.1/4	50										
RHZ42PLGE-2.0		42 - L			60						107.0	84.0	22.0	G1.1/2	55					
RHZ38PSGE-2.0		38 - S			60											116.0	85.0	22.0	G1.1/2	55

**RHV**

BSP Male stud (ED) at inlet  
 Tube connections (DIN2353) at outlet

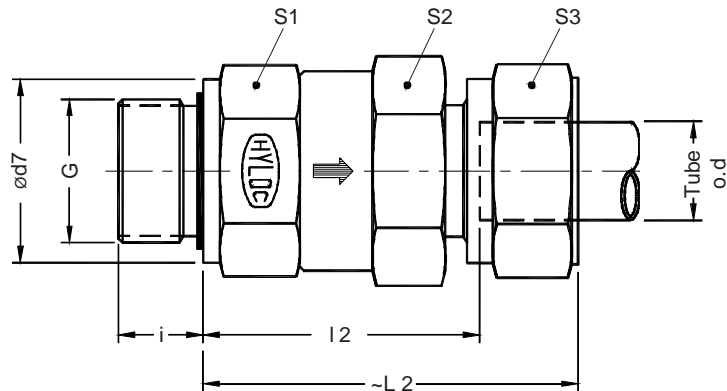


Table 3

Ordering Code	Size	Tube od	S1	S2	S3	L2	I2	i	G	Ød7
RHV06PLGE-2.0	NG-06	6 - L	22	24	14	49.0	34.0	8	G 1/8	14
RHV08PLGE-2.0		8 - L			17	49.5	34.5	12	G 1/4	19
RHV06PSGE-2.0		6 - S			17	51.5	36.5	12	G 1/4	19
RHV08PSGE-2.0		8 - S			19	51.5	36.5	12	G 1/4	19
RHV10PLGE-2.0	NG-08	10 - L	32	36	19	59.0	44.0	12	G 1/4	19
RHV10PSGE-2.0		10 - S			22	61.5	45.0	12	G 3/8	22
RHV12PSGE-2.0		12 - S			24	61.5	45.0	12	G 3/8	22
RHV12PLGE-2.0	NG-10	12 - L	32	36	22	61.0	46.0	12	G 3/8	22
RHV15PLGE-2.0		15 - L			27	62.5	47.5	14	G 1/2	27
RHV14PSGE-2.0		14 - S			27	66.5	48.5	14	G 1/2	27
RHV16PSGE-2.0		16 - S			30	66.5	48.0	14	G 1/2	27
RHV18PLGE-2.0	NG-15	18 - L	41	46	32	69.5	53.0	14	G 1/2	27
RHV20PSGE-2.0		20 - S			36	75.5	54.0	16	G 3/4	32
RHV22PLGE-2.0	NG-20	22 - L	50	55	36	83.0	66.5	16	G 3/4	32
RHV25PSGE-2.0		25 - S			46	90.0	66.0	18	G1	40
RHV28PLGE-2.0	NG-25	28 - L	55	60	41	92.0	75.5	18	G1	40
RHV30PSGE-2.0		30 - S			50	102.0	75.5	20	G1.1/4	50
RHV35PLGE-2.0		NG-30	35 - L	65	70	50	106.0	84.5	20	G1.1/4
RHV42PLGE-2.0	42 - L				60	107.0	84.0	22	G1.1/2	55
RHV38PSGE-2.0	38 - S				60	116.0	85.0	22	G1.1/2	55

# Check Valve, Model : RHD/RHZ/RHV/RHF



the right connection

Ref. No : H04068 Release Jan 2006 (Dimensions in mm)

## RHF

BSP Ports at inlet and at outlet

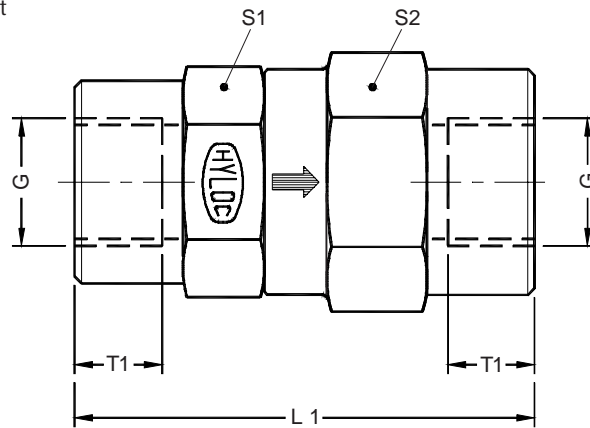


Table 4

Ordering Code	G	S1	S2	T1	L1
RHFG02-2.0	G 1/4	22	24	12	58
RHFG03-2.0	G 3/8	32	36	12	58
RHFG04-2.0	G 1/2	32	36	14	72
RHFG06-2.0	G 3/4	41	46	16	85
RHFG08-2.0	G1	50	55	18	98
RHFG10-2.0	G1.1/4	55	60	20	120
RHFG12-2.0	G1.1/2	65	70	22	132

## Ordering Code

**RHZ 16 P S G E 2.0**

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Type of Check Valve	<b>RHD</b> <b>RHZ</b> <b>RHV</b> <b>RHF</b>	Design Series Subject to revision
Tube Size (for RHD/RHZ/RHV) Refer Table 1 to Table 3	16	Surface Treatment Omit Zinc plated and Yellow cromated P Phosphated
Port Size (for RHF) Refer Table 4	P	Body Material Omit Steel 304 SS-304 316 SS-316
End connection type (For RHD/RHZ/RHV) With Ferrule - P	S	Seal Material Omit Nitrile 90° V Viton 90° X Without seal
Pressure Series (Refer Table 1 to Table 3) Low Pressure - L High Pressure - S	G	Cracking Pressure Omit 0.5 bar B 1.5 bar C 3.0 bar D 5.0 bar
End Connection (For RHZ/RHV) (Refer Table 2 and Table 3)	E	Type of Sealing (For RHZ/RHV) E - Elastomeric Seal