GENERAL DESCRIPTION

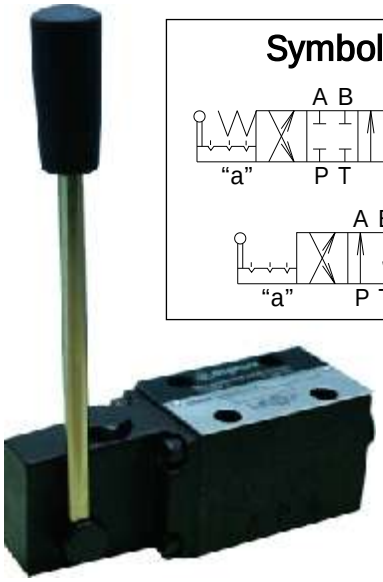
List: RH06-7F-1-Oct 2015

RH06...7F...

✓ 4/3- and 4/2- way directional control valves with manual operation

✓ Reliability and long life

✓ Mounting surface CETOP3 (NG6)



The RH06...7F... valves consist of a spool , housing , springs and manual control unit. They are used to control the start , stop and direction of flow.

This model is designed with two-spring centered spool about 4/3- and 4/2- valves. The housing has 5-chambers. There are two possible versions of valve - with detent and without detent.

The valve location during assembly is of minor importance , but the horizontal position is generally recommended.

ORDERING CODE

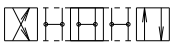
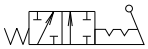
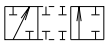
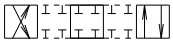
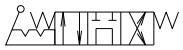
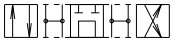
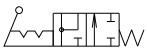
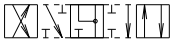
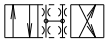
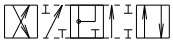
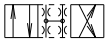
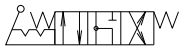
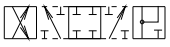
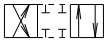
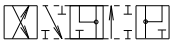
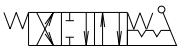
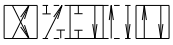
RH	06	...	7	F	...	...	...

- RH — Directional control valve
- 06 — Nominal size
- ... — Functional symbol (see page 2/4)
- 7 — Type of control: hydraulic - **2**; mechanical - **4**; pneumatic - **6**; manual - **7**
- F — Modification
- ... — Detent*: **Omit** - without detent; **D** - with detent
- ... — **N** - normal; **T** - tropical — Backing of the housing
- ... — Spacers: **Omit** - Without spacers; **S** - with spacers (see page 3/4)

TECHNICAL DATA

DATA		UNIT	VALUE/RANGE
Weight		kg	2,2
Max. pressure	port P , A & B port T	MPa	32 2,5
Rated flow	(at Dp = 0,1MPa)	l/min	11...20
Lever angular movement		°	± 32
Actuating force		N	30

FUNCTIONAL SYMBOLS

DESIG-NATION	SYMBOL	INTERMEDIATE	DESIG-NATION	SYMBOL	INTERMEDIATE
00			32		
01			33		
02			34		
04			36		
05			39		
06			40		
10			41		
11			42		
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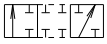
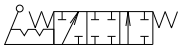
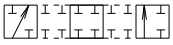
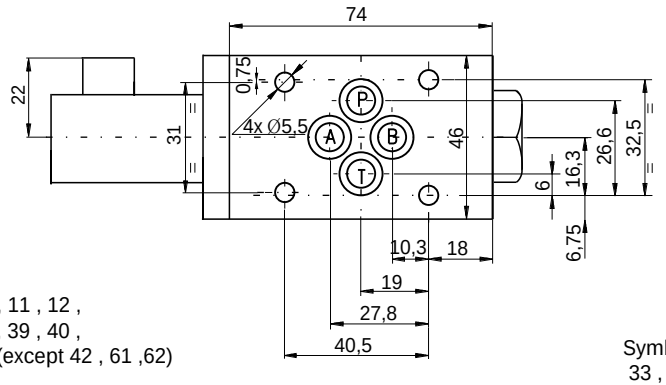
13			52		
14			61		
16			62		
17			64		
18			68		
21			70		
24			78		
26			83		
27			98		
28			99		

Other symbols on request.

DIMENSIONS

All dimensions are shown in mm.

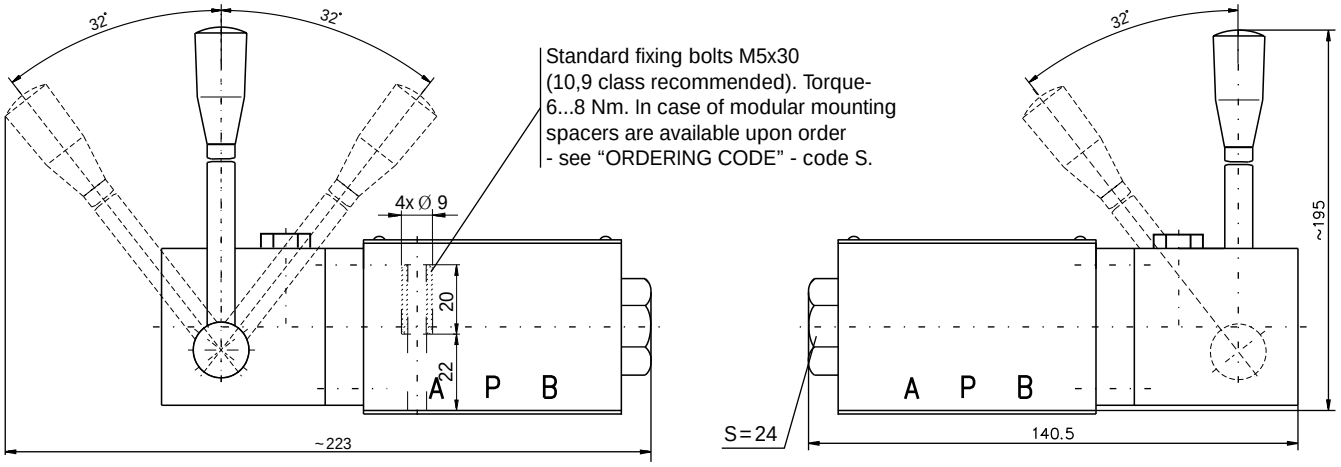


THREE POSITIONAL

Symbols 00 , 01 , 02 , 04 , 05 , 06 , 11 , 12 , 14 , 17 , 18 , 21 , 24 , 26 , 27 , 34 , 39 , 40 , 41 , 45 , 52 , 68 , 70 , 83 , 98 , 99(except 42 , 61 ,62)

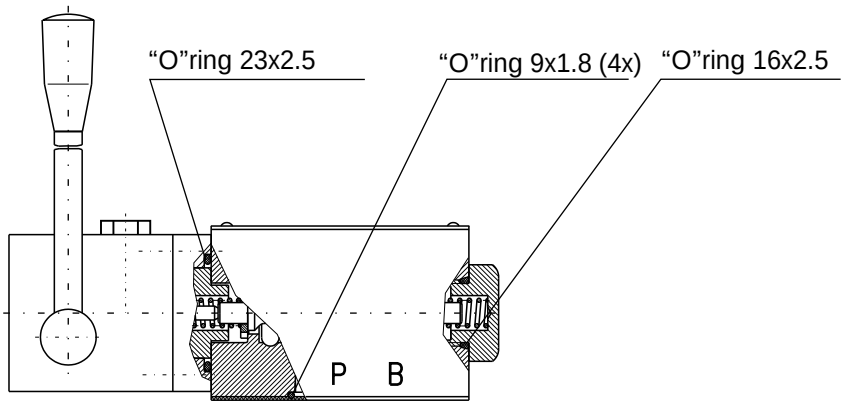
TWO POSITIONAL

Symbols 10 , 13 , 16 , 28 , 32 , 33 , 36 , 64 , 78



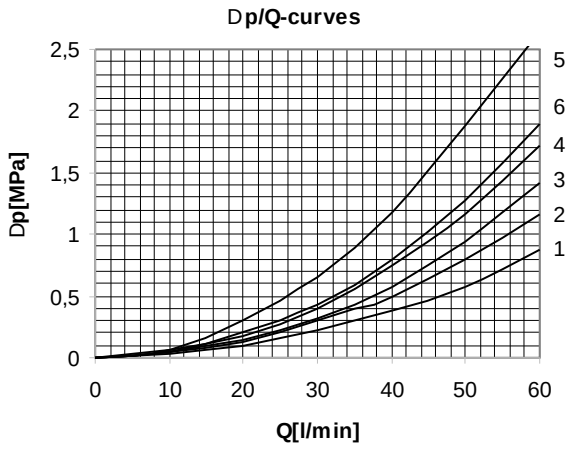
For three positional valves symbols 42 , 61 and 62 the operator is at side “b”.

SEALS



CHARACTERISTICS

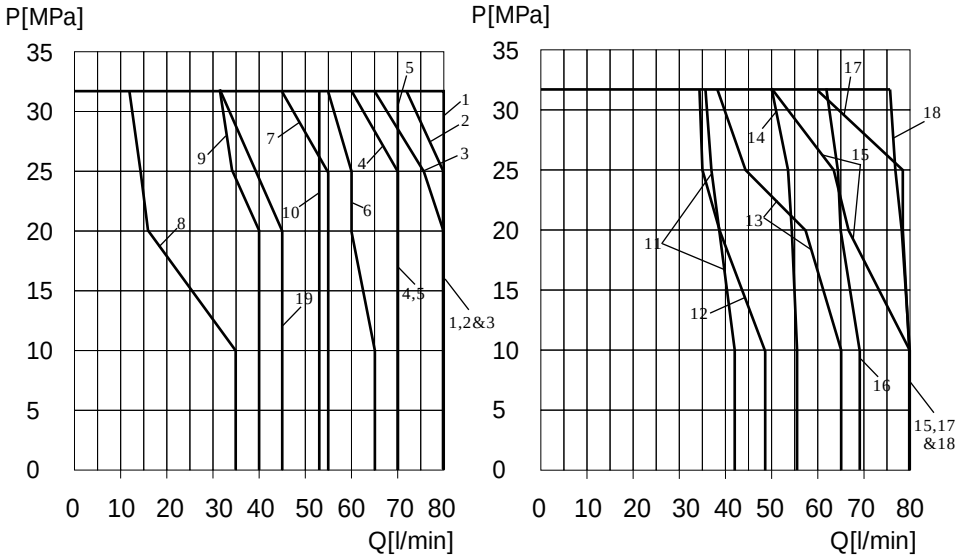
Dp / Q



SYMBOL	CURVE					SYMBOL	CURVE				
	P>A	P>B	A>T	B>T	P>T		P>A	P>B	A>T	B>T	P>T
00	2	2	1	1	3	28	3			1	
01	2	2	1	1		32	3	3			
02	5	5	5	5	4	33		2	1		3
04	3	3	1	1		34	1				
05	2	2	2	2		36	1	1	2	3	
06	3	3	3	3	4	39	1	1	3	2	
08	2	2	1	1		40		4	6		
10	3	4	3	2		41		4	1		
11	2	2	1	1		42	3	2	1	2	
12	4	3	2	3		45		2	1		
13	2	2				52	1	1			
14	5			5	4	61	4			1	
16	2			1		62	4			6	
17		2	2			64	2			1	
18	2	2	1	1		68	3	3			
19	2	2	2	2		70	3	2	1	2	
20	3	3	2	2		78	1			2	4
21(mid./end)	2/1	3	3	3		83		2	1		
24		3	1			99	2			2	4
26	3	2	1	2							
27	2			1							

p / Q

The operating limit of hydraulic power shown here is for applications with two directions of flow (e.g. from P to B and simultaneously from A to T). If the valve is with one direction passage only (e.g. from P to B and with blocked port A), the operating limit may considerably be reduced. The performance limits are measured with hydraulic oil 35 ± 5 cSt , temperature 50 °C and supply voltage $0,9U_N$



SYMBOL	CURVE	SYMBOL	CURVE
00	1	28	3
01	1	32	8
02	19	33	1
04	3	34	1
05	4	36	9
06	7	39	9
08	5	40	18
10	5	41	17
11	14	42	15
12	5	45	1
13	6	52	12
14	19	61	17
16	1	62	18
17	4	64	1
18	1	68	8
19	16	70	15
20	2	78	11
21	10	82	
24	3	83	1
26	15	98	
27	1	99	13