

DBD IS DIRECT OPERATED PRESSURE RELIEF VALVE, USED TO LIMIT PRESSURE IN HYDRAULIC SYSTEM.

THERE ARE SEVEN PRESSURE ADJUSTMENT RANGES AVAILABLE.

IT HAS CHARACTERISTICS OF COMPACT STRUCTURE , HIGH PERFORMANCE, RELIABLE WORK, LOW NOISE AND LONG SERVICE LIFE.

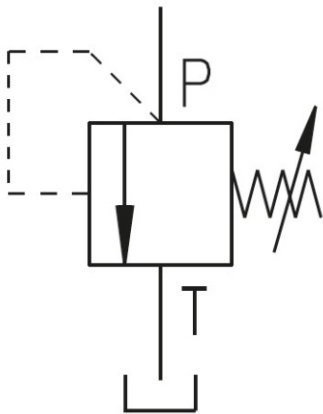
THESE SERIES ARE WIDELY APPLIED TO MANY LOWER SYSTEMS, CAN BE ALSO USED AS RELIEF VALVE AND REMOTE CONTROL VALVE.



TECHNICAL DATA

SIZE		6	10	20
OPERATING PRESSURE (MPA)		31.5		
MAX. WORKING PRESSURE (MPA)		40		
MAX. FLOW RATE (L/MIN)		50	120	250
FLUID TEMPERATURE (°C)		-20 – 70		
FILTRATION ACCURACY (µM)		25		
WEIGHT (KG)	DBD K	0.4	0.5	0.9
	DBD G	1.6	3.6	6.9
	DBD P	1.7	3.7	7.1
VALVE BODY (MATERIAL)		CASTING PHOSPHATING SURFACE		

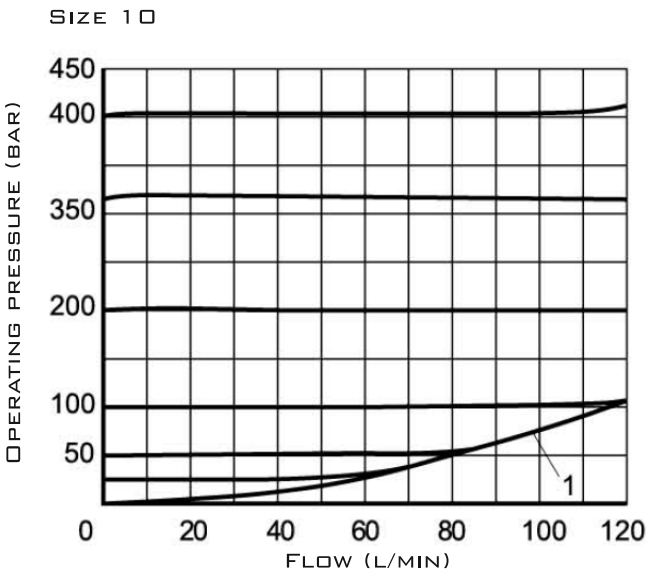
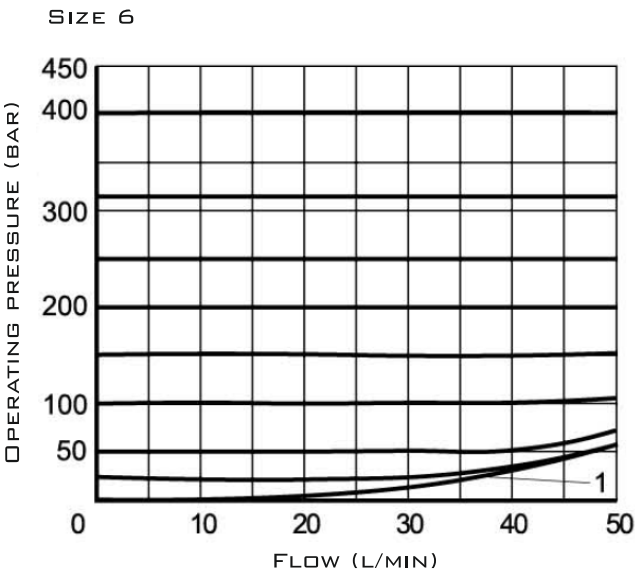
SCHEME



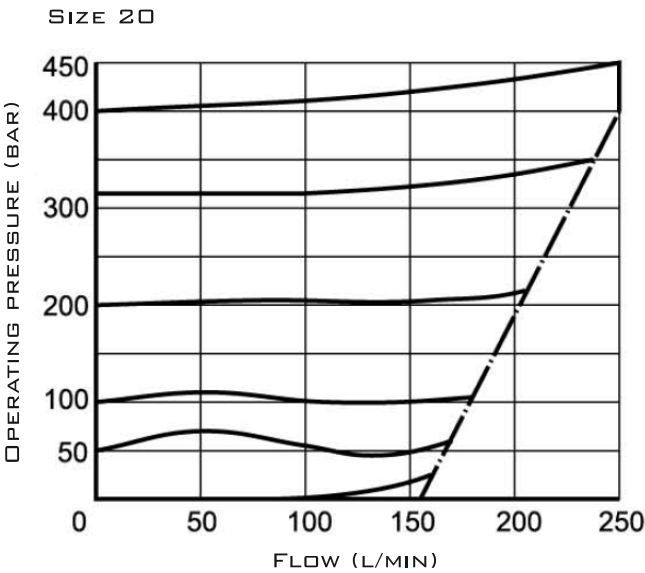


DIRECT OPERATED PRESSURE
RELIEF VALVES

CHARACTERISTIC CURVES



1 = MIN. ADJUSTABLE PRESSURE



ATTENTION!

THE CURVES ARE AVAILABLE WHEN OUTPUT PRESSURE $P_t=0$ WITHIN THE FLOW RANGES, AND THE PRESSURE DIFFERENTIAL OF HOUSING IS NOT CONSIDERED WHEN MEASURES.

THE CURVES ARE ONLY AVAILABLE FOR THE NORMAL ENVIRONMENT AND TEMPERATURE CONDITIONS, AND THE EFFECT OF BOUNDARY VARIATION CONDITIONS FOR CHARACTERISTIC CURVES MUST BE CONSIDERED.

THE CURVES ARE RELATED LEVEL (LIKE 200 BAR). THE INCREASED PRESSURE DATA WILL BE HIGHER WHEN RELIEF FLOW RATE ADDED.

SEE ALSO:
DB, ZDB



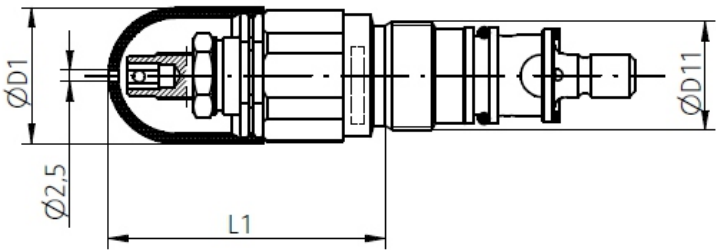
VALVOLE DI PRESSIONE

DBD

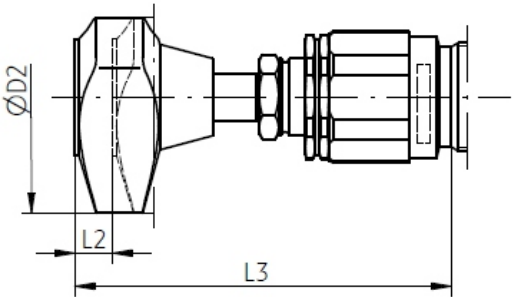
DIRECT OPERATED PRESSURE
RELIEF VALVES

PLUG-IN INSTALLATION DIMENSIONS

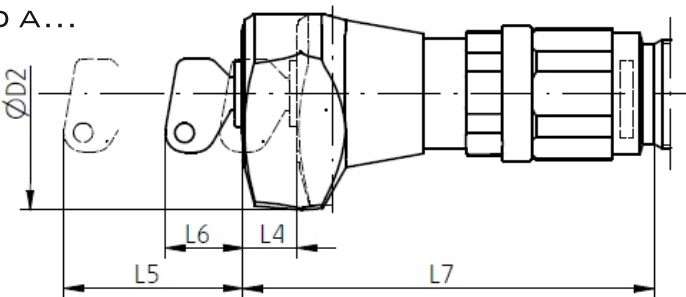
DBD S...



DBD H...



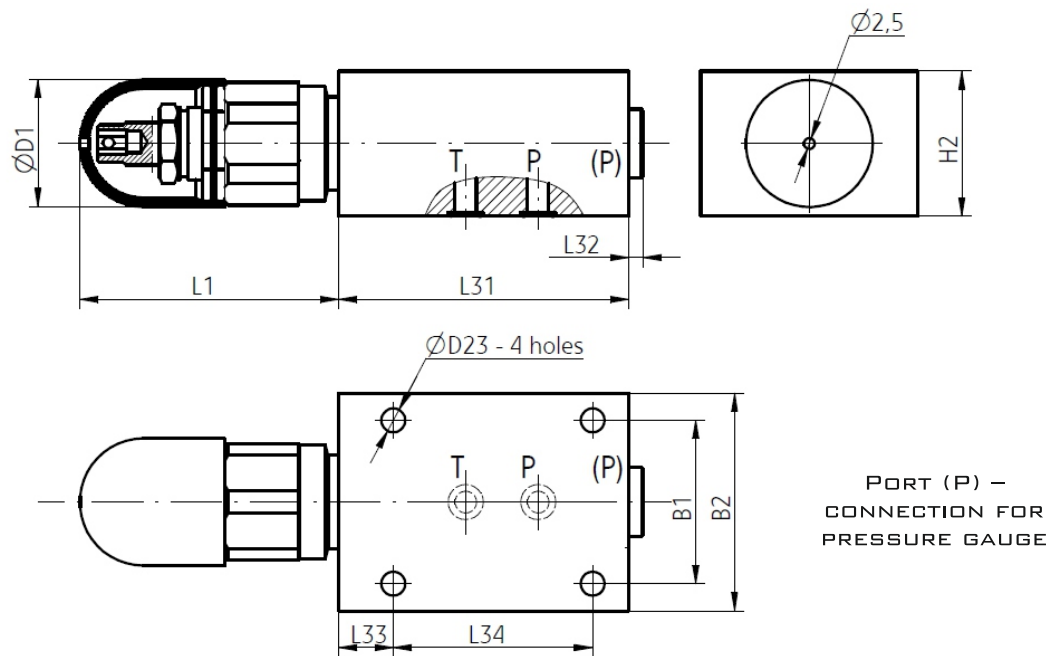
DBD A...



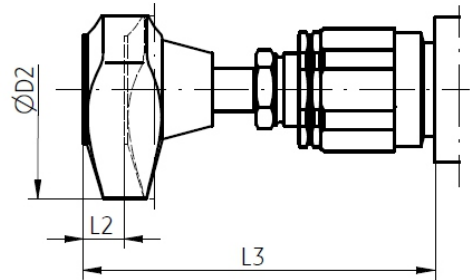
MODEL	DBD 6K	DBD 10K	DBD 20K
ØD1	34	38	48
ØD2	60	60	60
L1	72	68	65
L2	11	11	11
L3	95,5	91,5	87
L4	11	11	11
L5	46	46	46
L6	18	18	18
L7	106,5	102,5	98
ØD11	M28x1,5	M35x1,5	M45x1,5

SUBPLATE INSTALLATION DIMENSIONS

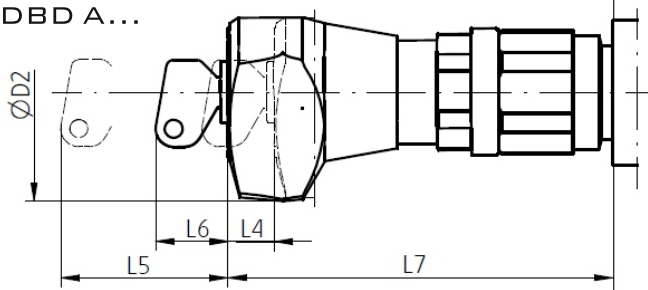
DBD S...



DBD H...



DBD A...



MODEL	DBD 6P	DBD 10P	DBD 20P
B 1	45	60	70
B 2	60	80	100
$\varnothing D 1$	34	38	48
$\varnothing D 2$	60	60	60
$\varnothing D 23$	6,6	9	9
H 2	40	60	70
L 1	72	68	65
L 2	11	11	11
L 3	95,5	91,5	87
L 4	11	11	11
L 5	46	46	46
L 6	18	18	18
L 7	106,5	102,5	98
L 31	80	100	135
L 32	4	4	5,5
L 33	15	20	20
L 34	55	70	100
PORT (P)	G 1/4"	G 1/2"	G 1"



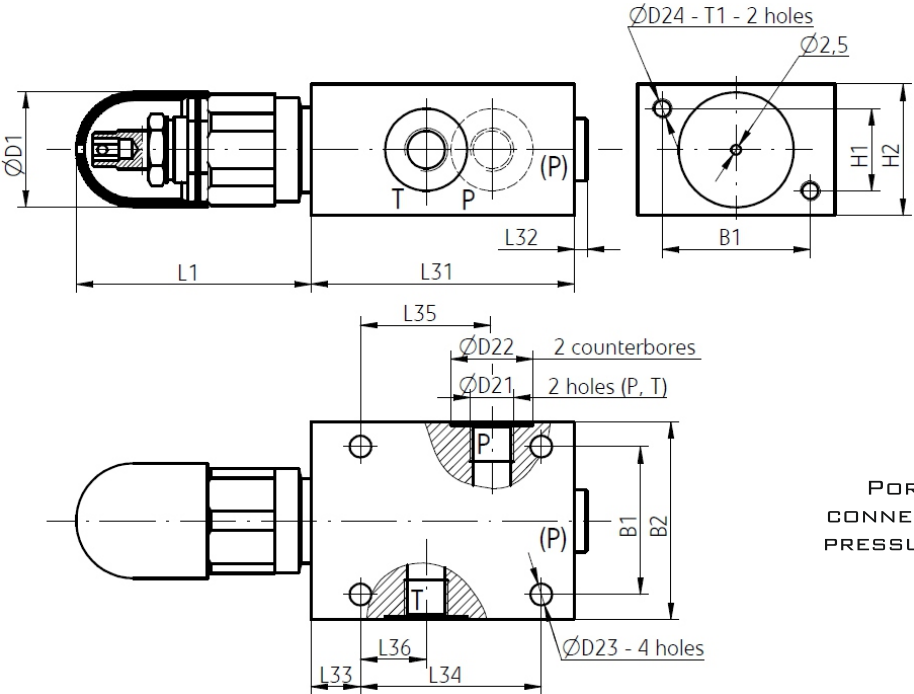
VALVOLE DI PRESSIONE

DBD

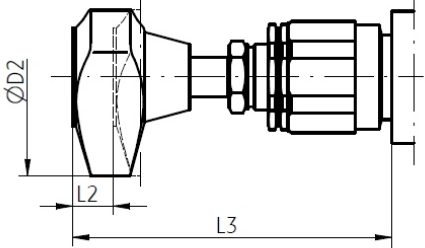
DIRECT OPERATED PRESSURE
RELIEF VALVES

THREAD CONNECTION DIMENSIONS

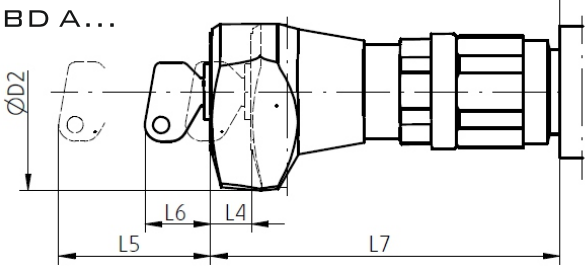
DBD S...



DBD H...



DBD A...



MODEL	DBD 6G	DBD 10G	DBD 20G
B 1	45	60	70
B 2	60	80	100
ØD 1	34	38	48
ØD 2	60	60	60
ØD 21	G 1/4"	G 1/2"	G 1"
ØD 22	25	34	47
ØD 23	6,6	9	9
ØD 24	M6	M8	M8
H 1	25	40	50
H 2	40	60	70
L 1	72	68	65
L 2	11	11	11
L 3	95,5	91,5	87
L 4	11	11	11
L 5	46	46	46
L 6	18	18	18
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L 31	80	100	135
L 32	4	4	5,5
L 33	15	20	20
L 34	55	70	100
L 35	40	49	65
L 36	20	21	34
T 1	10	15	18
PORT (P)	G 1/4"	G 1/2"	G 1"

DBD		VALVOLE DI PRESSIONE																																				
DIRECT OPERATED PRESSURE RELIEF VALVES																																						
ORDER CODE																																						
<table><tr><td>DBD</td><td></td><td></td><td></td><td>10</td><td></td><td></td></tr><tr><td colspan="2" rowspan="3">S=ADJUSTING BOLT WITH PROTECT COVER H=WITH HANDLE A=HANDLE WITH LOCK</td><td rowspan="3"></td><td rowspan="3"></td><td rowspan="3"></td><td colspan="2">NO CODE=NBR SEALS V=FKM SEALS</td></tr><tr><td colspan="2">2.5=PRESSURE SETTING 2.5 MPA 5=PRESSURE SETTING 5 MPA 10=PRESSURE SETTING 10 MPA 20=PRESSURE SETTING 20 MPA 31.5=PRESSURE SETTING 31.5 MPA 40=PRESSURE SETTING 40 MPA 63=63 MPA (ONLY FOR 10 SIZE)</td></tr><tr><td colspan="2">10=10 SERIES</td></tr><tr><td colspan="2">6=6 SIZE 10=10 SIZE 20=20 SIZE</td><td rowspan="3"></td><td rowspan="3"></td><td rowspan="3"></td><td colspan="2"></td></tr><tr><td colspan="2">K=PLUG-IN TYPE G=THREAD CONNECTION P=SUBPLATE MOUNTING</td><td colspan="2"></td></tr><tr><td colspan="2"></td><td colspan="2"></td></tr></table>						DBD				10			S=ADJUSTING BOLT WITH PROTECT COVER H=WITH HANDLE A=HANDLE WITH LOCK					NO CODE=NBR SEALS V=FKM SEALS		2.5=PRESSURE SETTING 2.5 MPA 5=PRESSURE SETTING 5 MPA 10=PRESSURE SETTING 10 MPA 20=PRESSURE SETTING 20 MPA 31.5=PRESSURE SETTING 31.5 MPA 40=PRESSURE SETTING 40 MPA 63=63 MPA (ONLY FOR 10 SIZE)		10=10 SERIES		6=6 SIZE 10=10 SIZE 20=20 SIZE							K=PLUG-IN TYPE G=THREAD CONNECTION P=SUBPLATE MOUNTING							
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