
T
VBCD
VMP
T
BP
VBCD
VABP 3/8
VMP
U
T
BP
AP
VBCD
VABP 3/8
VMP
U

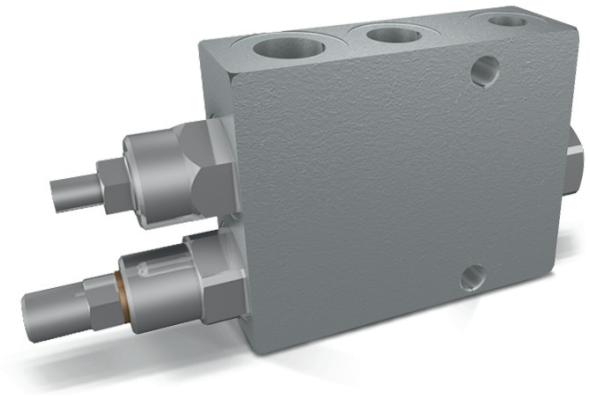


Hochdruck-Niederdruck Abschaltventile

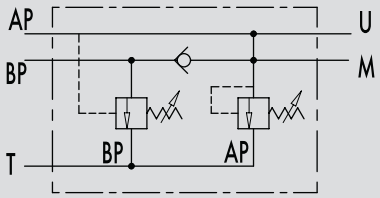
TWO PUMP "HI-LOW" UNLOADING VALVES

Hochdruck-Niederdruck-Abschaltventil - Leitungsmontage

TYPE
VABP



HYDRAULIC DIAGRAM



TWO PUMP "HI-LOW" UNLOADING VALVES

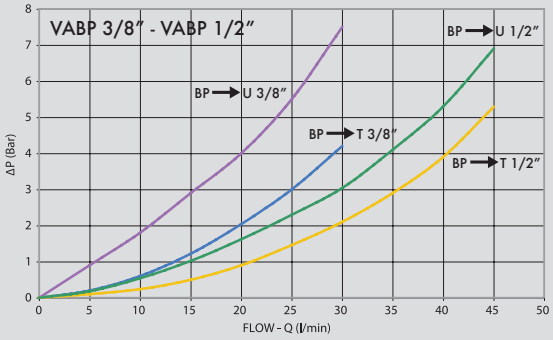
USE AND OPERATION:
This valve is used in a 2 parallel-working pumps circuit in order to release the excess of the higher flow pump to the tank when this gets the required pressure setting. Since this moment and on the actuator works with the lower flow pumps at higher pressure, consuming less energy.

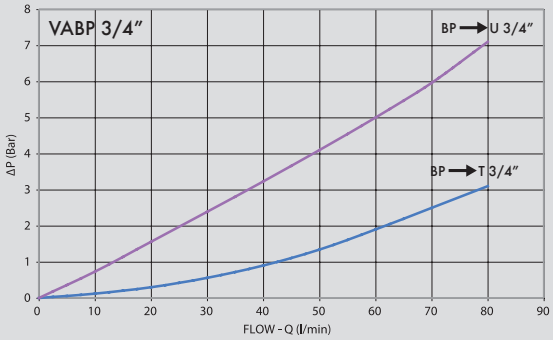
MATERIALS AND FEATURES:
Body: zinc-plated steel
Internal components: grounded and hardened steel
Seals: BUNA N standard
Tightness: minor leakage

APPLICATIONS:
Connect BP to the higher flow pump, AP to the lower flow pump, T to the tank, M to the eventual manometer and U as for necessity.

PRESSURE DROPS CURVE

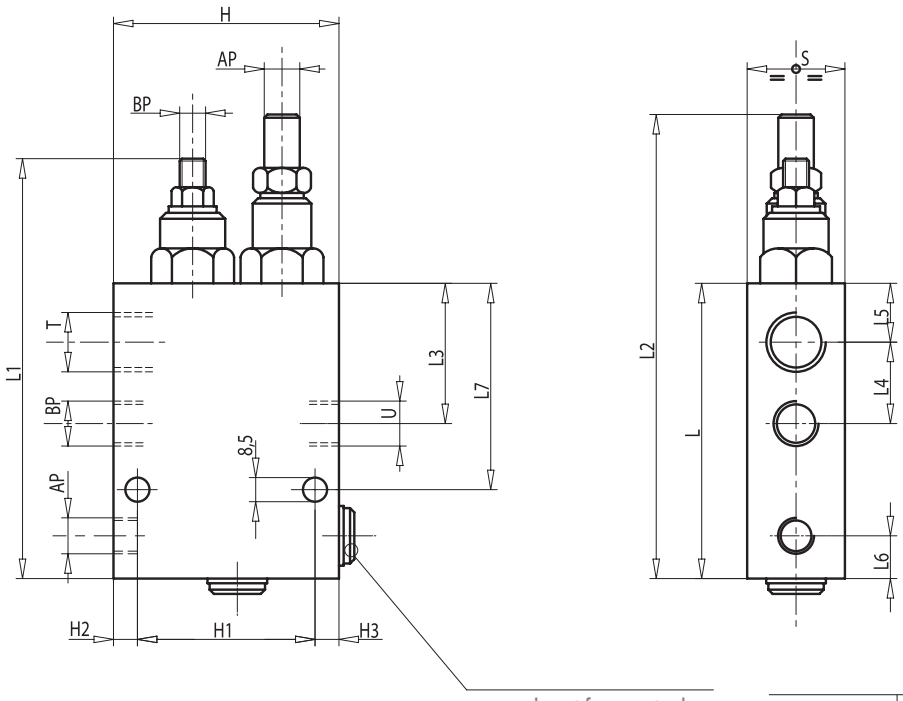
Oil temperature: 50° C - Oil viscosity: 30 cSt





ABITEK
Hydraulik • Antriebstechnik

CODE	TYPE	AP	MAX FLOW Lt. / min BP	T	MAX PRESSURE Bar	WEIGHT Kg
V0512	VABP 3/8"	20	40	60	300	1,748
V0513	VABP 1/2"	30	50	80	350	2,342
V0514	VABP 3/4"	40	80	120	350	3,970



STANDARD SPRINGS

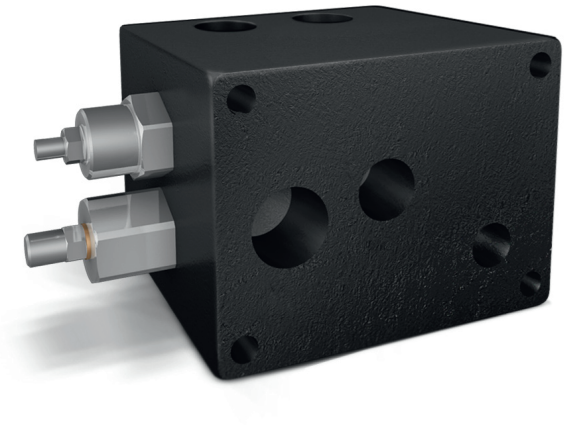
VALVOLA VALVE	BP (BAR)	AP (BAR)
VABP 3/8"	20-80	50-350
VABP 1/2"	20-80	50-350
VABP 3/4"	20-80	50-330

CODE	TYPE	AP GAS	BP GAS	U GAS	T GAS	L mm	L1 mm	L2 mm	L3 mm	L4 mm	L5 mm	L6 mm	L7 mm	H1 mm	H2 mm	H3 mm	H mm	S mm
V0512	VABP 3/8"	G 1/4"	G 3/8"	G 3/8"	G 1/2"	100	142	155	50	30	20	13	69	65	8,5	6,5	80	30
V0513	VABP 1/2"	G 3/8"	G 1/2"	G 1/2"	G 3/4"	105	147	160	54	36	18	15	73	65	17	8	90	35
V0514	VABP 3/4"	G 1/2"	G 3/4"	G 3/4"	G 1"	140	187	212	52,5	42,5	20	20	95	65	27	8	100	40

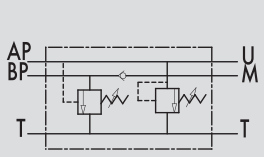
Hochdruck-Niederdruck-Abschaltventil flanschbar (NG 6 - 10 - 16)

TYPE

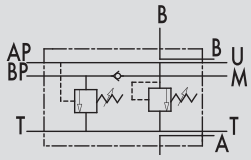
VABP FL



HYDRAULIC DIAGRAM



VABP FL 6 - VABP FL 10



VABP FL 16

TWO PUMP "HI-LOW" UNLOADING VALVES FLANGEABLE (BASE NG6-NG10 AND NG16)

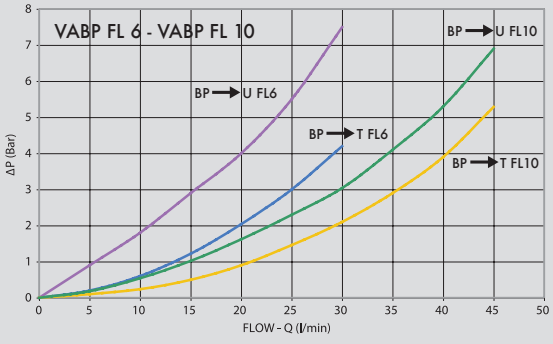
USE AND OPERATION:
This valve is used in a 2 parallel-working pumps circuit in order to release the excess of the higher flow pump to the tank when this gets the required pressure setting. Since this moment and on the actuator works with the lower flow pumps at higher pressure, consuming less energy. It's ideal for direct flange-mounting on solenoid valves.

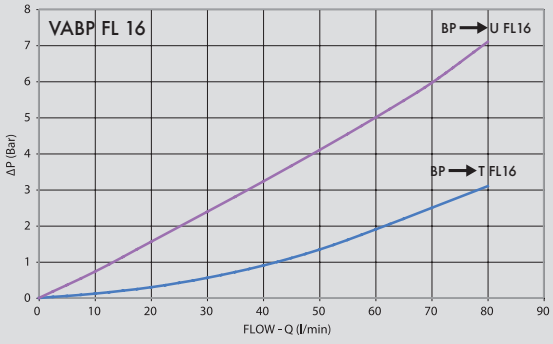
MATERIALS AND FEATURES:
Body: burnished steel
Internal components: grounded and hardened steel
Seals: BUNA N standard
Tightness: minor leakage

APPLICATIONS:
Fix the valve to the pressure flow by connecting BP to the higher flow pump, AP to the lower flow pump, T to the tank and M to the eventual manometer. Flange the solenoid valve to the VABP and connect ports A and B to the actuator.

Oil temperature: 50° C - Oil viscosity: 30 cSt

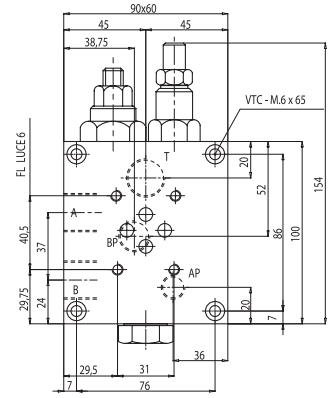
PRESSURE DROPS CURVE



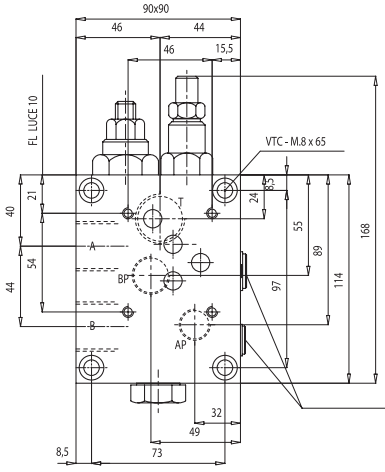


CODE	TYPE	MAX FLOW Lt. / min AP	BP	T	MAX PRESSURE Bar
V0518	VABP FL 6	20	40	60	350
V0515	VABP FL 10	30	50	80	350
V0516	VABP FL 16	40	100	120	350

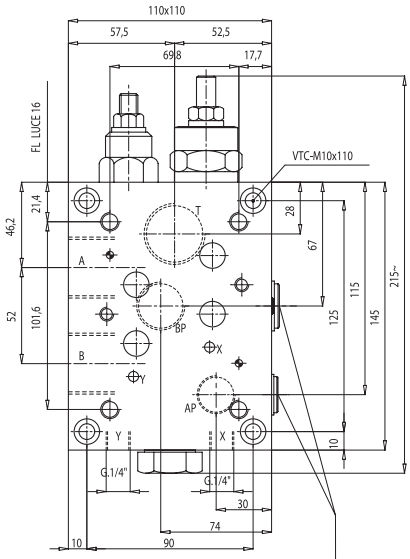
VABP FL 6



VABP FL 10



VABP FL 16



Reversible caps

CODE	TYPE	A GAS	B GAS	T GAS	AP GAS	BP GAS	WIGHT kg
V0518	VABP FL 6	G 1/2"	G 1/2"	G 1/2"	G 1/4"	G 3/8"	3,854
V0515	VABP FL 10	G 3/4"	G 3/4"	G 3/4"	G 3/8"	G 1/2"	6,338
V0516	VABP FL 16	G 1"	G 1"	G 1"	G 1/2"	G 3/4"	11,928

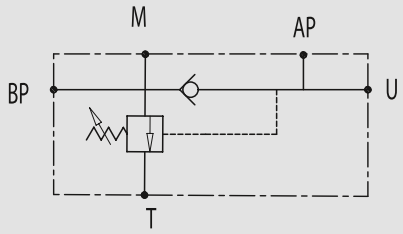
SPRINGS

VALVOLA VALVE	BP (BAR)	AP (BAR)
VABP FL 6	20-80	50-350
VABP FL 10	20-80	50-350
VABP FL 16	20-80	50-330

Hochdruck-Niederdruck-Abschaltventil
Direktmontage auf Pumpe



HYDRAULIC DIAGRAM



TWO PUMP LOW UNLOADING VALVES FLANGEABLE ON LOW-PRESSURE PUMP

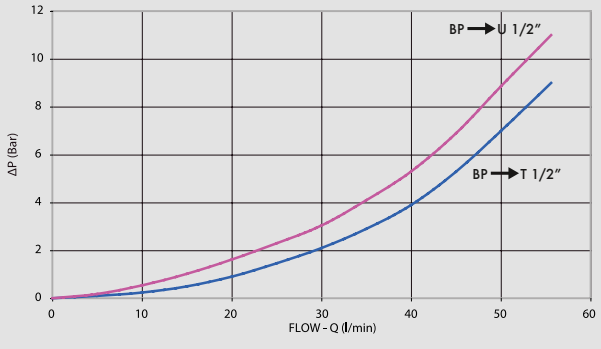
USE AND OPERATION:
This valve is used in a 2 parallel-working pumps circuit in order to release the excess of the higher flow pump to the tank when this gets the required pressure setting. Since this moment and on the actuator works with the lower flow pumps at higher pressure, consuming less energy. This valve is designed for direct flanging on lower flow pump. To adjust the high pressure, you have to mount a in line relief valve or a relief valve on the spool valve.

MATERIALS AND FEATURES:
Body: zinc-plated steel
Internal components: grounded and hardened steel
Seals: BUNA N standard
Tightness: minor leakage

APPLICATIONS:
Connect BP to the higher flow pump, AP to the lower flow pump, T to the tank, M to the eventual manometer and U as for necessity.

PRESSURE DROPS CURVE

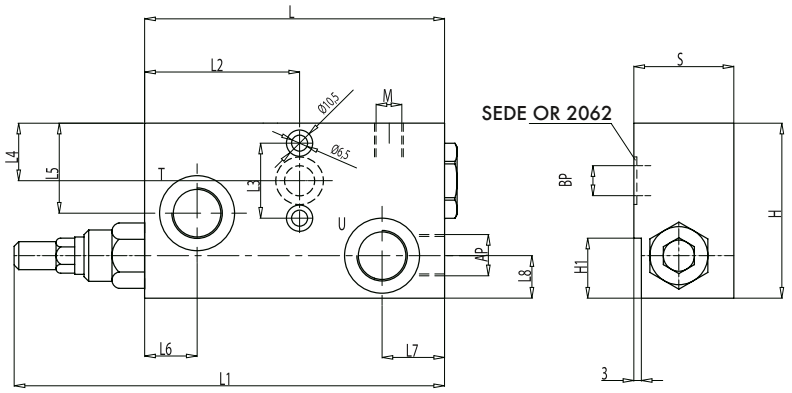
Oil temperature: 50° C - Oil viscosity: 30 cSt



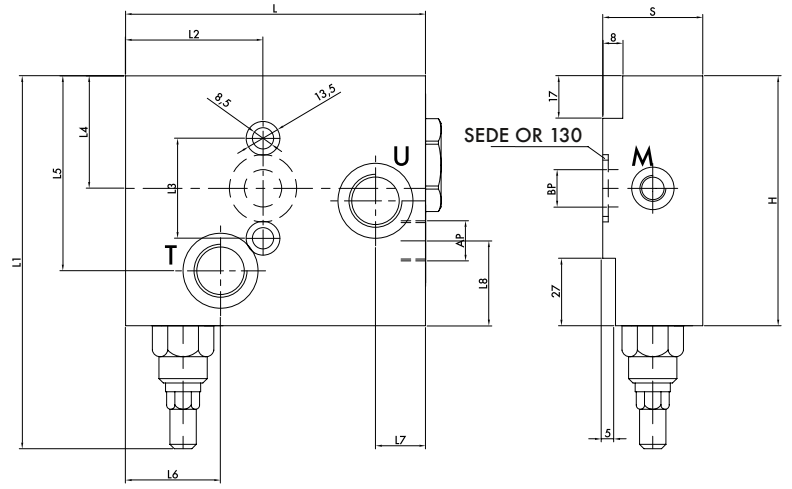
ABITEK
Hydraulik • Antriebstechnik

CODE	TYPE	MAX FLOW Lt. / min AP	BP	T	MAX PRESSURE Lt. / min AP	BP	WEIGHT Kg
V0517	VEP FLP 1/2"	20	40	60	320	80	2,300
V0521	VEP FLP 1/2" IFF 40	20	40	60	320	80	2,300

V0517



V0521



CODE	TYPE	AP GAS	BP mm	M GAS	T - U GAS	L mm	L1 mm	L2 mm	L3 mm	L4 mm	L5 mm	L6 mm	L7 mm	L8 mm	H1 mm	H mm	S mm
V0517	VEP FLP 1/2"	G 3/8"	11	G 1/4"	G 1/2"	120	170	61	30	23	36	21	25	17	24	70	40
V0521	VEP FLP IFF 1/2" 40	G 3/8"	15	G 1/8"	G 1/2"	120	150	55	40	45	78	38	20	34	/	100	40