ACCESSORIES CATALOG

WIMMER PUMPS



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Pressure limiter - Unloading Valves

Type PLUV40
Up to 40L/min, up to 700 Bar

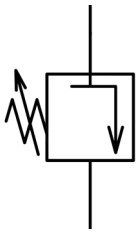


FEATURES:

* Adjustable over the entire pressure range
* Good corrosion resistance
* High operational safety and reliable switching
* Poppet tight

DESING

* Poppet valve
* Directly operated



APPLICATIONS

The unloading valve is used with a low pressure (LP) and a high pressure pump (HP) in a dual-pressure-system. They both supply the same working port. The valve unloads the low pressure pump flow at a set pressure to the tank.Before the switchover both pumps supply the working port. After the switch over the low pressure pump flow is connected loss-free to the tank. The working port is supplied by the high pressure pump only

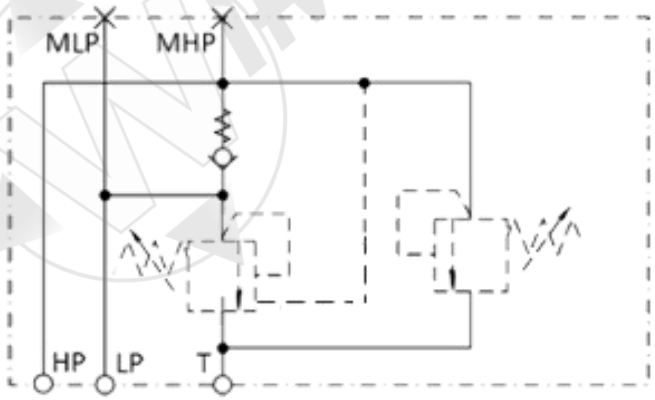
TECHNICAL DATA

Hydraulic fluid	mineral oil according to DIN 51524 (other fluids on request)
Fluid temperature range	-20 to 120 °C
Ambient temperature range	-20 to 120 °C
Viscosity range	10 to 400 mm2/s
Porting	LP-T: 1/2”G - HP: 3/83G - MP: 1/4”G
Max. operating pressure connection HP	700 bar
Max. operating pressure connection LP	150 bar
Pressure setting range connection LP	25 to 150 bar
Max. flow rate	40 l/min (Total) - HP 25l/min
Filtration (recommendation)	according to NAS 1638 class 6 resp. ISO/DIN 4406 17/15/12
Pressure drop (LP->T)	3 bar (at 25 l/min and 32 mm2/s)
Weight	0.18 kg
Materials	cartridge body: free-cutting steel cone: hardened steel valve body: stainless steel

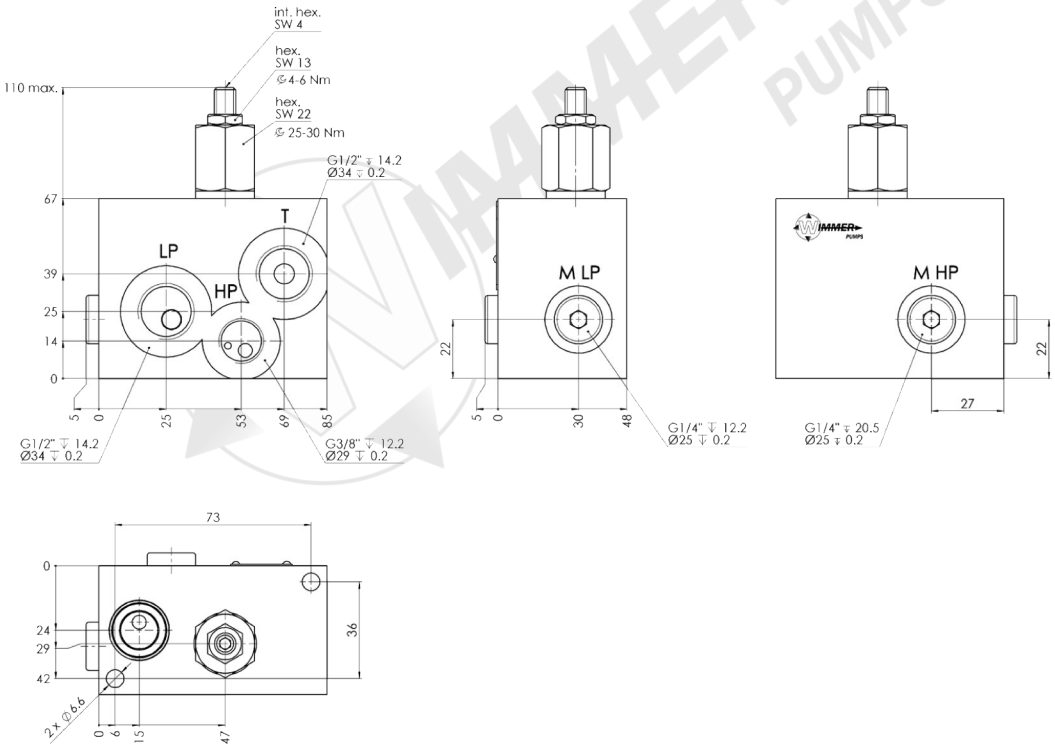
Type PLUV 40

Up to 40L/min, up to 700 Bar

PRODUCT INFORMATION

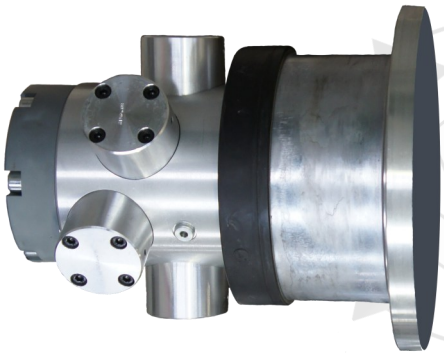
Type code	PLUV40-700-150-F
Symbol	

DIMENSIONAL DRAWINGS FOR IN-LINE BODY



Bellhousings - Damping flanges - Couplings

PRODUCT DESCRIPTION:



BELLHOUSING WITHOUT DAMPING:

- Connection elements for centring between electric motor and hydraulic Wimmer-pump
- For all hydraulic Wimmer-pumps available at short notice
- Both mounting sides are finished
- Horizontal and vertical application possible
- Material: aluminum



BELLHOUSING WITH DAMPING

- Reduction of noise level of the pump / motor unit up to 10 dB (A) possible, depending on pump construction
- Standard bellhousing made of aluminum, damping flange made of aluminum / perbunan vulcanised
- No metallic connection
- Horizontal and vertical application possible
- Resistance: mineral oil max. 80°C
- Damping flanges are applied in connection with bellhousings or pump brackets between hydraulic Wimmer-pumps and E-motors
- They consist of two aluminium components, which are connected to each other by a moulded-on rubber coating (perbunan-NBR) without metallic contact



COUPLINGS

- Torsionally flexible, maintenance free, good dynamic properties
- Vibration reducing
- Axially pluggable
- Compact design / low flywheel effects
- High performance elastomer hardnesses (98 shore A) of the spiders
- Finish bores with keyway
- Hub materials: cast iron, sintered steel or steel depending on size
- Standard program

WIMMER Bellhousing & Couplings - 1500RPM

Pump		Electromotor				Assembly Belhousing + coupling	
Type	Ø shaft	KW (1500RPM)	Frame	Ø B5 flange	Ø shaft	WITHOUT damping	WITH damping
PPZ (BG1)	15	0,55 > 0,75	80K4/G4	200	19	WIMA101	WIMD101
		1,1 > 1,5	90S/L4		24	WIMA102	WIMD102
		2,2 > 4	100L4-112M4	250	28	WIMA103	WIMD103
PD / PDS (BG2)	18	0,55 > 0,75	80K4/G4	200	19	WIMA201	WIMD201
		1,1 > 1,5	90S/L4		24	WIMA202	WIMD202
		2,2 > 4	100L4-112M4	250	28	WIMA203	WIMD203
		5,5 > 7,5	132S/M4	300	38	WIMA204	WIMD204
PZ (BG2)	20	1,1 > 1,5	90S/L4	200	24	WIMA301	WIMD301
		2,2 > 4	100L4-112M4	250	28	WIMA302	WIMD302
		5,5 > 7,5	132S/M4	300	38	WIMA303	WIMD303
		11 > 15	160M/L4	350	42	WIMA304	WIMD304
P / PS / PM (BG2)	32	2,2 > 4	100L4-112M4	250	28	WIMA401	WIMD401
		5,5 > 7,5	132S/M4	300	38	WIMA402	WIMD402
		11 > 15	160M/L4	350	42	WIMA403	WIMD403
		18,5 > 22	180M/L4		48	WIMA404	WIMD404
		30	200L4	400	55	WIMA405	WIMD405
PW (BG3)	40	11 > 15	160M/L4	350	42	WIMA501	WIMD501
		18,5 > 22	180M/L4		48	WIMA502	WIMD502
		30	200L4	400	55	WIMA503	WIMD503
		37 > 45	225S/M4	450	60	WIMA504	WIMD504
		55	250M4	550	65	WIMA505	WIMD505
		75 > 90	280S/M4		75	WIMA506	WIMD506

WIMMER Bellhousing & Couplings - 3000RPM

Pump		Electromotor				Assembly Belhousing + coupling	
Type	Ø shaft	KW (3000RPM)	Frame	Ø B5 flange	Ø shaft	WITHOUT damping	WITH damping
PPZ (BG1)	15	0,75 > 1,1	80K2/G2	200	19	WIMA101	WIMD101
		1,5 > 2,2	90S/L2		24	WIMA102	WIMD102
		3 > 4	100L2-112M2	250	28	WIMA103	WIMD103
PD / PDS (BG2)	18	0,75 > 1,1	80K2/G2	200	19	WIMA201	WIMD201
		1,5 > 2,2	90S/L2		24	WIMA202	WIMD202
		3 > 4	100L2-112M2	250	28	WIMA203	WIMD203
		5,5 > 7,5	132S2	300	38	WIMA204	WIMD204
PZ (BG2)	20	1,5 > 2,2	90S/L2	200	24	WIMA301	WIMD301
		3 > 4	100L2-112M2	250	28	WIMA302	WIMD302
		5,5 > 7,5	132S2	300	38	WIMA303	WIMD303
P / PS / PM (BG2)	32	3 > 4	100L2-112M2	250	28	WIMA401	WIMD401
		5,5 > 7,5	132S2	300	38	WIMA402	WIMD402
		11 > 18,5	160M/L2	350	42	WIMA403	WIMD403
		22	180M2		48	WIMA404	WIMD404
		30 > 37	200L2	400	55	WIMA405	WIMD405
PW (BG3)	40	11 > 18,5	160M/L2	350	42	WIMA501	WIMD501
		22	180M2		48	WIMA502	WIMD502
		30 > 37	200L2	400	55	WIMA503	WIMD503
		45	225M2	450	55	WIMA510	WIMD510
		55	250M2	550	60	WIMA511	WIMD511
		75 > 90	280S/M2		65	WIMA512	WIMD512

Repair parts: Bearing Assembly



Code	Item
WIMBAP04	Bearing assembly P/04 & PS/04 Pump
WIMBAP06	Bearing assembly P/06 & PS/06 Pump
WIMBAPD	Bearing assembly PD Pump
WIMBAPW	Bearing assembly PW Pump
WIMBAPZ	Bearing assembly PZ Pump

Repair parts: Plunjer Assembly

Code	Item
WIMPPA106	PPA-1-06 (Assembly)
WIMPPA106S	PPA-1-06-S (Assembly)
WIMPPA108	PPA-1-08 (Assembly)
WIMPPA110	PPA-1-10 (Assembly)
WIMPPA206	PPA-2-06 (Assembly, not for PD)
WIMPPA206S	PPA-2-06-S (Assembly)
WIMPPA208	PPA-2-08 (Assembly, not for PD)
WIMPPA208S	PPA-2-08-S (Assembly)
WIMPPA209	PPA-2-09 (Assembly, not for PD)
WIMPPA209F	PPA-2-09-F (Assembly, not for PD)
WIMPPA209S	PPA-2-09-S (Assembly)
WIMPPA209SMC45	PPA-2-09-SM (Assembly)
WIMPPA210	PPA-2-10 (Assembly, not for PD)
WIMPPA212	PPA-2-12 (Assembly, not for PD)
WIMPPA212F	PPA-2-12-F (Assembly, not for PD)
WIMPPA216	PPA-2-16 (Assembly, not for PD)
WIMPPA216125	PPA-2-16-12.5 (Assembly, not for PD)
WIMPPA216F	PPA-2-16-F (Assembly, not for PD)
WIMPPA319	PPA-3-19 (Assembly)
WIMPPA322	PPA-3-22 (Assembly)
WIMPPA322F	PPA-3-22-F (Assembly)

Repair parts: Seals



SEALS KIT NBR = B

Code	Item
WIMSKP06B	Seal Kit for P/01 to 06 NBR (BG2)
WIMSKPD02B	Seal Kit for PD/01, PD/02 NBR (BG2)
WIMSKPPZ03B	Seal Kit for PPZ/01 to 03 NBR (BG1)
WIMSKPW06B	Seal Kit for PW/04, PW/06 NBR (BG3)
WIMSKPZ05B	Seal Kit for PZ/03, PZ/05 NBR (BG2)

SEALS KIT FPM = F (VITON)

Code	Item
WIMSKP06F	Seal Kit for P/01 to 06 FPM (BG2)
WIMSKPD02F	Seal Kit for PD/01, PD/02 FPM (BG2)
WIMSKPPZ03F	Seal Kit for PPZ/01 to 03 FPM (BG1)
WIMSKPW06F	Seal Kit for PW/04, PW/06 FPM (BG3)
WIMSKPZ05F	Seal Kit for PZ/03, PZ/05 FPM (BG2)

Special parts: Mechanical Seal



Code	Item
WIM01066N	Mechanical seal FPM 50 New Version

TECHNICAL DATA

Temperature	-30 to 260°C
Pressure	20 bar
Rotation direction	bi-directional
Rotating treads	Carbon, Silicon carbide
Elastomer	FPM



HYDRAULICS WITH SERVICE

HYDROSERV

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