

Hydraulics Network



PV4 VALVES

2023



OIL SOLUTIONS

PO Box 38
Strathfieldsaye, VIC, 3551
1800 OIL SOL
1800 645 765

sales@oilsolutions.com.au

www.oilsolutions.com.au

"For All Your Hydraulic Needs"



Maximum pressure
350 bar

Inlet flow to 230 lpm

Spool flow to 130 lpm

Contact us for more
specs or advice

PV4 Pump Side Module

Part #	List Price \$	Max Flow	Pump Type	Pilot Oil	Actuation	Unloader Valve Port	Shock Valve
PV4P0101-G6		140 lpm	Fixed	No	Mechanical	No	No
PV4P0201-G6		140 lpm	Variable	No	Mechanical	No	No
PV4P0102-G6		140 lpm	Fixed	Yes	Electrical (EPVM/EPVO coil)	No	No
NEW PV4P0102H-G6		140 lpm	Fixed	Yes	Hyd pilot/electrical (EPVE coil)	No	No
PV4P0202-G6		140 lpm	Variable	Yes	Electrical (EPVM/EPVO coil)	No	No
NEW PV4P0202H-G6		140 lpm	Variable	Yes	Hyd pilot/electrical (EPVE coil)	No	No
PV4P0103-G6		140 lpm	Fixed	No	Mechanical	Yes	No
PV4P0203-G6		140 lpm	Variable	No	Mechanical	Yes	No
PV4P0104-G6		140 lpm	Fixed	Yes	Electrical (EPVM/EPVO coil)	Yes	No
NEW PV4P0104H-G6		140 lpm	Fixed	Yes	Hyd pilot/electrical (EPVE coil)	Yes	No
PV4P0204-G6		140 lpm	Variable	Yes	Electrical (EPVM/EPVO coil)	Yes	No
NEW PV4P0204H-G6		140 lpm	Variable	Yes	Hyd pilot/electrical (EPVE coil)	Yes	No
PV4P0105-G6		140 lpm	Fixed	Yes	Electrical (EPVM/EPVO coil)	No	No
PV4P0205-G6		140 lpm	Variable	Yes	Electrical (EPVM/EPVO coil)	No	No
PV4P0106H-G6		140 lpm	Fixed	Yes	Hyd pilot/electrical (EPVE coil)	No	No
PV4P0206H-G6		140 lpm	Variable	Yes	Hyd pilot/electrical (EPVE coil)	No	No
PV4P0301-G8		150 lpm	Variable	Yes	Electrical (EPVM/EPVO coil)	No	No
PV4P0302-G8		150 lpm	Variable	Yes	Electrical (EPVM/EPVO coil)	No	Yes
PV4P0303-G8		230 lpm (mid inlet)	Variable	Yes	Electrical (EPVM/EPVO coil)	No	No
PV4P0304-G8		230 lpm (mid inlet)	Variable	Yes	Electrical (EPVM/EPVO coil)	No	Yes

PV4 Pilot Oil Supply Adaptors

Part #	List Price \$	Description
PV4-PCG		External pilot oil supply adaptor with check valve - for fixed displacement pumps
PV4-POG		External pilot oil supply adaptor - for fixed or variable displacement pumps

PV4 Load Sense Solenoid Unloading Valves

Part #	List Price \$	Type	Manual Override	Voltage
PV4-ELNXX (12/24)		Normally open	No	12/24v DC
PV4-ELFXX (12/24)		Normally closed	No	12/24v DC
PV4-ELNMXX (12/24)		Normally open	Yes	12/24v DC

PV4 Levers

Part #	List Price \$	Description
PV4-LM		Spring centering lever with stroke adjustment on A+B
2BMPV400661		Replacement handle

PV4 SECTIONAL VALVES

BASIC MODULES, SPOOL ASSEMBLY, B-SIDE OPTIONS, PILOT CONTROLLERS

PV4 Basic Module

Part #	List Price \$	A+B Shock-Suction Valve Ports	Load Drop Check Valve	Load Sense A+B Shuttle Valve	Non-damped Pressure Compensation	Damped Pressure Compensation	A+B Load Sense Relief Valves
PV4V01-G4							
PV4V01U-G4		YES					
PV4V02-G4			YES				
PV4V02U-G4		YES	YES				
PV4V03U-G4		YES		YES			
PV4V04-G4					YES		
PV4V04U-G4		YES			YES		
PV4V05-G4						YES	
PV4V05U-G4		YES				YES	
PV4V06-G4					YES		YES
PV4V06U-G4		YES			YES		YES
PV4V07-G4						YES	YES
PV4V07U-G4		YES				YES	YES

Note: when using multiple spools concurrently, use pressure compensated module

PV4 Spool Assembly

- Modules **PV4V01/02/03/04/05** are not compatible with AB spools
- Modules **PV4V06/07** require **AB** spools plus either **HA** or **FD**
- FD spools** are recommended to be used with a pressure compensated module
- Other flow and pressure control spools are available on request

Part #	List Price \$	X		XXX		XXXX	
YLWPV420-X-XXX-XXXX		1	Cylinder spool	005	5 lpm spool	AB	Use with A+B relief module
		2	Motor spool	010	10 lpm spool	HA	Use with hydraulic actuation
		3	Single-acting on A	025	25 lpm spool	ABHA	Use with A+B relief module & hydraulic actuation
		4	Single-acting on B	040	40 lpm spool	FD	Use with friction detent
				065	65 lpm spool	ABFD	Use with A+B relief module & friction detent
				100	100 lpm spool		
				130	130 lpm spool		

PV4 B Side Options

- EPVE** coils must be used with **HA** spool and cannot be used with **EPVO/EPVM**
- EPVO/EPVM** can be used on the same valve

Part #	List Price \$	Description
PV4-CO		Standard cover for manual operation
PV4-FD		Friction detent
PV4-HAG2		Hydraulic actuation
EPVO-H0101		Electrical on-off 11-30v
EPVE-12D		Use with PWM voltage control signal 12v DC
EPVE-24D		Use with PWM voltage control signal 24v DC
EPVM-H0111		Proportional coil standard 12v DC
EPVM-H0121		Proportional coil standard 24v DC

PV4 Hydraulic Pilot Controllers

Part #	List Price \$	Description	Axis	Flow	Inlet Pressure Range	A+B Outlet Pressure Range
JHP-1/1S-G2/8-A01B		Spring centre	Single	5-20 lpm	30-100 bar	5-19 bar
JHP-1/1S-G2/9-1-A01B		Spring centre friction detent in position 1+2	Single	5-20 lpm	30-100 bar	5-19 bar
JHP-1/1S-G2/FD-A01B		Friction detent	Single	5-20 lpm	30-100 bar	5-19 bar
JHP-1/1S-G2/LES-A01B		Safety lever detent in neutral	Single	5-20 lpm	30-100 bar	5-19 bar
JHP-2/01-G2/01-LCB-B02B		Spring centre	Dual	5-20 lpm	30-100 bar	6-25 bar

Note: all hydraulic pilot controllers are suitable for use with sectional, proportional and monoblock valves

PV4 B Port Relief Shock & Suction Valves

Part #	List Price \$	Setting Pressure (bar)	Setting Pressure (psi)
PV4-U32		32	464
PV4-U50		50	725
PV4-U63		63	914
PV4-U80		80	1160
PV4-U100		100	1450
PV4-U125		125	1813
PV4-U140		140	2030
PV4-U150		150	2175
PV4-U160		160	2320
PV4-U175		175	2538
PV4-U190		190	2755
PV4-U210		210	3045
PV4-U230		230	3335
PV4-U240		240	3480
PV4-U265		265	2843
PV4-U280		280	4061
PV4-U300		300	4351
PV4-U320		320	4641
PV4-U350		350	5075
PV4-C		Suction only	
PV4-DST		Cavity plug	

PV4 Electrical Controllers

Part #	List Price \$	Description
PVH-1		11-30v DC voltage control 25-75%

PV4 End Caps

Part #	List Price \$	Description	Material
PV4C0101		End plate, 300 bar	Aluminium
PV4C0102		End plate, 250 bar, LS port	Aluminium
PV4C0201		End plate, 350 bar	Cast iron
PV4C0202		End plate, 350 bar, LS port	Cast iron

PV4 Seal Kits

Part #	List Price \$	Description
PV4-SK-01		Seal Kit PV4 - Basic Section V01(U)
PV4-SK-02		Seal Kit PV4 - Basic Section V02(U) thru V07(U)
PV4-SK-03		Seal Kit PV4 - End Plate 101/102
PV4-SK-04		Seal Kit PV4 - End Plate 201/202
PV4-SK-05		Seal Kit PV4 - EPVM/EPVO
PV4-SK-06		Seal Kit PV4 - Friction Detent End Plate FD
PV4-SK-07		Seal Kit PV4 - Lever Kit LM 2BMPV400542
PV4-SK-08		Seal Kit PV4 - Inlet 101/103/201/203
PV4-SK-09		Seal Kit PV4 - Inlet 102/104/106/202/204/206
PV4-SK-10		Seal Kit PV4 - Inlet 105/205
PV4-SK-11		Seal Kit PV4 - End Cap CO 2BMPV400543

PV4 Bolt Kits

Part #	List Price \$	Part #	List Price \$	Part #	List Price \$	Part #	List Price \$	Part #	List Price \$
PV4M-001		PV4M-003		PV4M-005		PV4M-007		PV4M-009	
PV4M-002		PV4M-004		PV4M-006		PV4M-008		PV4M-010	



Hydraulics Network



1800-OILSOL
1800-645765

<https://oilsolutions.com.au/>

sales@oilsolutions.com.au

MELBOURNE VICTORIA

- 📍 23 Quinlan Road, Epping, VIC 3076
- ✉️ sales@hydraulicsnetwork.com.au
- ☎️ 03 9399 8957

BRISBANE QUEENSLAND

- 📍 29 Annie Street, Coopers Plains, QLD 4108
- ✉️ salesqld@hydraulicsnetwork.com.au
- ☎️ 07 3277 5969

www.hydraulicsnetwork.com.au

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