

CATFORD

Jamestown

SA 5491

ENGINEERING PRODUCTS

All Prices Excluding GST

Phone: 0418 641 566

www.catford.com.au sales@catford.com.au

PV4 Proportional Valves

- *Pump-Side Modules
- *Load Sense Solenoid
- Unloading Valves
- *Pilot Oil Supply Adaptors
- *Levers
- *Spool Assembly
- *Port Relief Shock & Suction Valves
- *Controllers
- *Seal & Bolt Kits





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Due to fluctuations in the Australian dollar and the economic climate, please be advised that all prices are subject to change.
Please contact us to confirm pricing.

All prices stated within are exclusive of GST
(All prices are correct as of January 1st 2024, but Catford Engineering reserve the right to change these prices without notice)

PV4 Proportional Valves

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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	P-T Ports
PV4P0101-G6	622.00	140 lpm	Fixed	No	Mechanical	No	No	3/4" BSPP
PV4P0201-G6	622.00	140 lpm	Variable	No	Mechanical	No	No	3/4" BSPP
PV4P0102-G6	714.00	140 lpm	Fixed	Yes	Electrical (EPVM/EPVO coil)	No	No	3/4" BSPP
PV4P0102H-G6	714.00	140 lpm	Fixed	Yes	Hyd pilot/electrical (EPVE coil)	No	No	3/4" BSPP
PV4P0202-G6	714.00	140 lpm	Variable	Yes	Electrical (EPVM/EPVO coil)	No	No	3/4" BSPP
PV4P0202H-G6	714.00	140 lpm	Variable	Yes	Hyd pilot/electrical (EPVE coil)	No	No	3/4" BSPP
PV4P0103-G6	714.00	140 lpm	Fixed	No	Mechanical	Yes	No	3/4" BSPP
PV4P0203-G6	714.00	140 lpm	Variable	No	Mechanical	Yes	No	3/4" BSPP
PV4P0104-G6	825.00	140 lpm	Fixed	Yes	Electrical (EPVM/EPVO coil)	Yes	No	3/4" BSPP
PV4P0104H-G6	825.00	140 lpm	Fixed	Yes	Hyd pilot/electrical (EPVE coil)	Yes	No	3/4" BSPP
PV4P0204-G6	825.00	140 lpm	Variable	Yes	Electrical (EPVM/EPVO coil)	Yes	No	3/4" BSPP
PV4P0204H-G6	825.00	140 lpm	Variable	Yes	Hyd pilot/electrical (EPVE coil)	Yes	No	3/4" BSPP
PV4P0105-G6	813.00	140 lpm	Fixed	Yes	Electrical (EPVM/EPVO coil)	No	No	3/4" BSPP
PV4P0205-G6	813.00	140 lpm	Variable	Yes	Electrical (EPVM/EPVO coil)	No	No	3/4" BSPP
PV4P0106H-G6	774.00	140 lpm	Fixed	Yes	Hyd pilot/electrical (EPVE coil)	No	No	3/4" BSPP
PV4P0206H-G6	774.00	140 lpm	Variable	Yes	Hyd pilot/electrical (EPVE coil)	No	No	3/4" BSPP
PV4P0301-G8	509.00	150 lpm	Variable	Yes	Electrical (EPVM/EPVO coil)	No	No	1" BSPP
PV4P0302-G8	674.00	150 lpm	Variable	Yes	Electrical (EPVM/EPVO coil)	No	Yes	1" BSPP
PV4P0303-G8	622.00	230 lpm (mid inlet)	Variable	Yes	Electrical (EPVM/EPVO coil)	No	No	1" BSPP
PV4P0304-G8	799.00	230 lpm (mid inlet)	Variable	Yes	Electrical (EPVM/EPVO coil)	No	Yes	1" BSPP

PV4 Pilot Oil Supply Adaptors

Part #	List Price \$	Description
PV4-PCG	118.00	External pilot oil supply adaptor with check valve - for fixed displacement pumps
PV4-POG	59.00	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)	296.00	Normally open	No	12/24v DC
PV4-ELFXX (12/24)	323.00	Normally closed	No	12/24v DC
PV4-ELNMX (12/24)	460.00	Normally open	Yes	12/24v DC

PV4 Levers

Part #	List Price \$	Description
PV4-LM	164.00	Spring centering lever with stroke adjustment on A+B
2BMPV400661	64.00	Replacement handle

PV4 SECTIONAL VALVES

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

PV4 Basic Module (1/2" BSPP A+B Ports)

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	446.00						
PV4V01U-G4	497.00	YES					
PV4V02-G4	636.00		YES				
PV4V02U-G4	687.00	YES	YES				
PV4V03U-G4	852.00	YES	YES	YES			
PV4V04-G4	838.00		YES		YES		
PV4V04U-G4	878.00	YES	YES		YES		
PV4V05-G4	852.00		YES			YES	
PV4V05U-G4	883.00	YES	YES			YES	
PV4V06-G4	1251.00		YES		YES		YES
PV4V06U-G4	1337.00	YES	YES		YES		YES
PV4V07-G4	1363.00		YES			YES	YES
PV4V07U-G4	1401.00	YES	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			
YLWVPV420-X-XXX-XXXX	234.00	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	51.00	Standard cover for manual operation
PV4-FD	204.00	Friction detent
PV4-HAG2	154.00	Hydraulic actuation
EPVO-H0101	1187.00	Electrical on-off 11-30v
EPVE-12D	891.00	Use with PWM voltage control signal 12v DC
EPVE-24D	891.00	Use with PWM voltage control signal 24v DC
EPVM-H0111	1839.00	Proportional coil ratio metric 12v DC
EPVM-H0121	1839.00	Proportional coil ratio metric 24v DC

PV4 Hydraulic Pilot Controllers

(these also suit sectional, proportional and monoblock valves)

Part #	List Price \$	Description	Axis	Flow	Inlet Press. Range	A+B Outlet Press. Range	Max Back Press.
JHP-1/1S-G2/8-A01B	492.00	Spring centre	Single	5-20 lpm	30-100 bar	5-19 bar	3 bar
JHP-1/1S-G2/9-1-A01B	584.00	Spring centre friction detent in pos.1+2	Single	5-20 lpm	30-100 bar	5-19 bar	3 bar
JHP-1/1S-G2/FD-A01B	576.00	Friction detent	Single	5-20 lpm	30-100 bar	5-19 bar	3 bar
JHP-1/1S-G2/LES-A01B	616.00	Safety lever detent in neutral	Single	5-20 lpm	30-100 bar	5-19 bar	3 bar
JHP-2/01-G2/01-LCB-B02B	1145.00	Spring centre	Dual	5-20 lpm	30-100 bar	6-25 bar	3 bar
PHP-1/02-G2/8-A05B	1412.00	Spring centre	Single	5-20 lpm	30-100 bar	2-20.5 bar	3 bar
PHP-1/02-G2/8-A02B	1412.00	Spring centre	Single	5-20 lpm	30-100 bar	6-25 bar	3 bar

PV4 B Port Relief Shock & Suction Valves

Part #	List Price \$	Setting Pressure (bar)	Setting Pressure (psi)
PV4-U32	118.00	32	464
PV4-U50	118.00	50	725
PV4-U63	118.00	63	914
PV4-U80	118.00	80	1160
PV4-U100	118.00	100	1450
PV4-U125	118.00	125	1813
PV4-U140	118.00	140	2030
PV4-U150	118.00	150	2175
PV4-U160	118.00	160	2320
PV4-U175	118.00	175	2538
PV4-U190	118.00	190	2755
PV4-U210	118.00	210	3045
PV4-U230	118.00	230	3335
PV4-U240	118.00	240	3480
PV4-U265	118.00	265	2843
PV4-U280	118.00	280	4061
PV4-U300	118.00	300	4351
PV4-U320	118.00	320	4641
PV4-U350	118.00	350	5075
PV4-C	95.00	Suction only	
PV4-DST	39.00	Cavity plug	

PV4 Electrical Controllers

Part #	List Price \$	Description
PVH-1	997.00	11-30v DC voltage control 25-75%

PV4 End Caps

Part #	List Price \$	Description	Material
PV4C0101	118.00	End plate, 300 bar	Aluminium
PV4C0102	172.00	End plate, 250 bar, LS port	Aluminium
PV4C0201	185.00	End plate, 350 bar	Cast iron
PV4C0202	236.00	End plate, 350 bar, LS port	Cast iron

PV4 Seal Kits

Part #	List Price \$	Description
PV4-SK-01	27.00	Seal Kit PV4 - Basic Section V01 (U)
PV4-SK-02	30.00	Seal Kit PV4 - Basic Section V02(U) thru V07(U)
PV4-SK-03	34.00	Seal Kit PV4 - End Plate 101/102
PV4-SK-04	37.00	Seal Kit PV4 - End Plate 201/202
PV4-SK-05	40.00	Seal Kit PV4 - EPVM/EPVO
PV4-SK-06	43.00	Seal Kit PV4 - Friction Detent End Plate FD
PV4-SK-07	47.00	Seal Kit PV4 - Lever Kit LM 2BMPV400542
PV4-SK-08	49.00	Seal Kit PV4 - Inlet 101/103/201/203
PV4-SK-09	52.00	Seal Kit PV4 - Inlet 102/104/106/202/204/206
PV4-SK-10	55.00	Seal Kit PV4 - Inlet 105/205
PV4-SK-11	57.00	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	26.00	PV4M-003	32.00	PV4M-005	37.00	PV4M-007	44.00	PV4M-009	49.00
PV4M-002	28.00	PV4M-004	35.00	PV4M-006	39.00	PV4M-008	47.00	PV4M-010	51.00