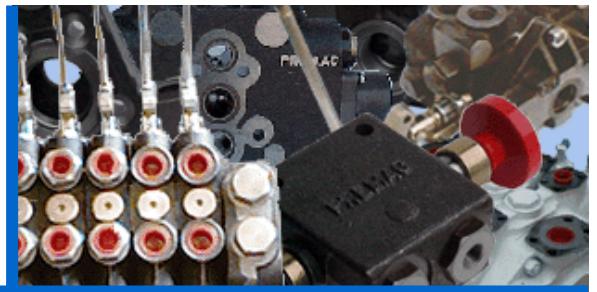


# PREMAC

PRECISION MACHINE MANUFACTURERS (PTY) LTD.

*MANUFACTURERS OF HYDRAULIC COMPONENTS*



## DIRECTIONAL CONTROL VALVES

# CONTROL VALVES

The locally manufactured V75, V150 and V260 Stack-type directional control valves and V38, V40 and V70 Monoblock Directional Control Valves are manufactured for the world-wide industrial, agricultural and mobile markets. Offering an extensive range of combinations and options to suit every requirement. The range offers several safety features such as built-in main relief, anti-cavitation checks, load holding checks and port relief cartridges. These valves are manufactured to the highest specifications using the best material available to ensure a lasting good quality product.

## STACK-TYPE DIRECTIONAL CONTROL VALVES

### SPECIFICATIONS

MODEL	V75	V150	V260
CAPACITY LITRES/MIN NOMINAL	75 L/min	150 L/min	260 L/min
CONTINUOUS WORKING PRESSURE	240 bar	210 bar	210 bar
NUMBER OF SPOOLS AVAILABLE	9 Sections	9 Sections	6 Sections
SPOOL OPTIONS	3 Way 3 Position	3 Way 3 Position	3 Way 3 Position
	4 Way 3 Position	4 Way 3 Position	4 Way 3 Position
	4 Way 4 Position Float	4 Way 4 Position Float	4 Way 4 Position Float
	4 Way 3 Position Free Flow (Motor)	4 Way 4 Position Regenerative 4 Way 3 Position Free Flow (Motor)	4 Way 3 Position Free Flow (Motor)
ACTUATOR	Spring Centred	Spring Centred	Spring Centred
	Hydraulic Remote	Hydraulic Remote	Hydraulic Remote
	3 Position Detent	3 Position Detent	3 Position Detent
	2 Position Detent	2 Position Detent	2 Position Detent
MAIN RELIEF	Differential Pressure Poppet	Differential Pressure	Differential Pressure
MISCELLANEOUS	Power Beyond	Power Beyond	Power Beyond
	Open Centre	Open Centre	Open Centre
	Closed Centre	Closed Centre	Closed Centre
	Work Port Relief	Work Port Relief	Work Port Relief
	Work Port Anti-Cavitation Check	Work Port Anti-Cavitation Check	Work Port Anti-Cavitation Check
	Conversion Plug	Conversion Plug	Conversion Plug
	Load Holding Check	Load Holding Check	Load Holding Check

## V75 DIRECTIONAL CONTROL VALVE

### ORDERING INSTRUCTIONS:

**Model No: V75 – P150A – D 4 – P130A – F4 – Y**

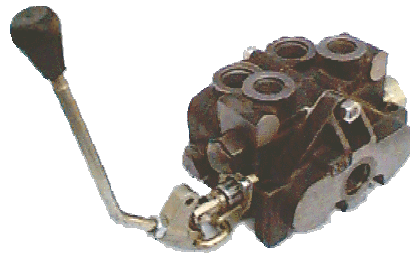
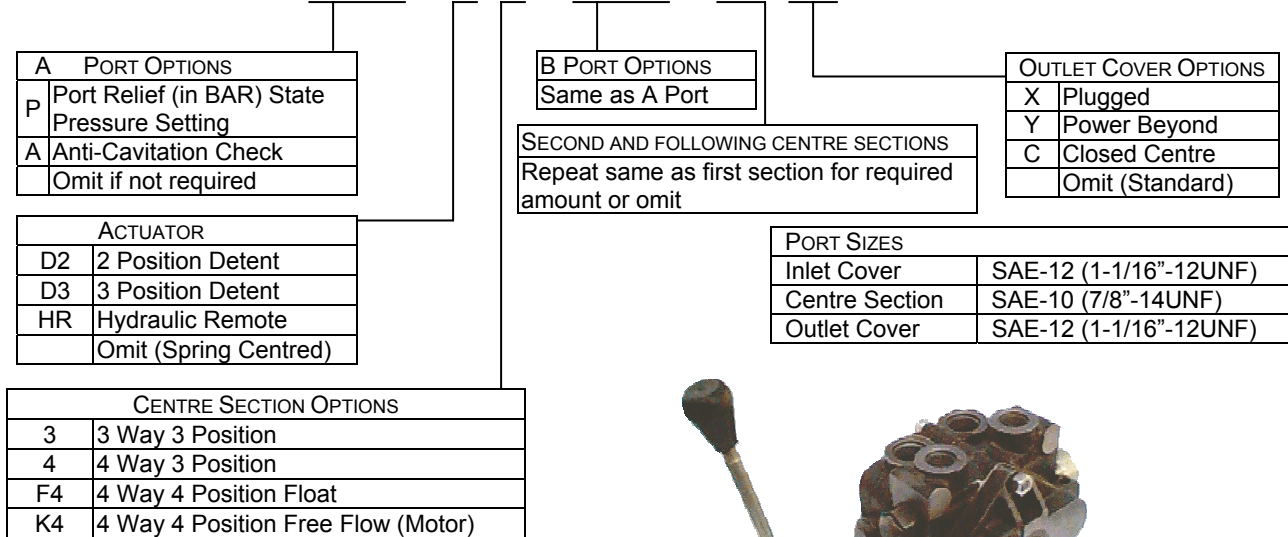


Fig 1.1: V75 Directional Control Valve

## V150 DIRECTIONAL CONTROL VALVE

### ORDERING INSTRUCTIONS:

**Model No: V150 – P150A – D 4 – P130A – F4 – Y**

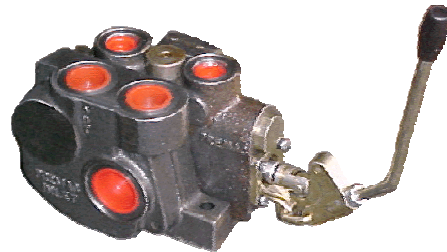
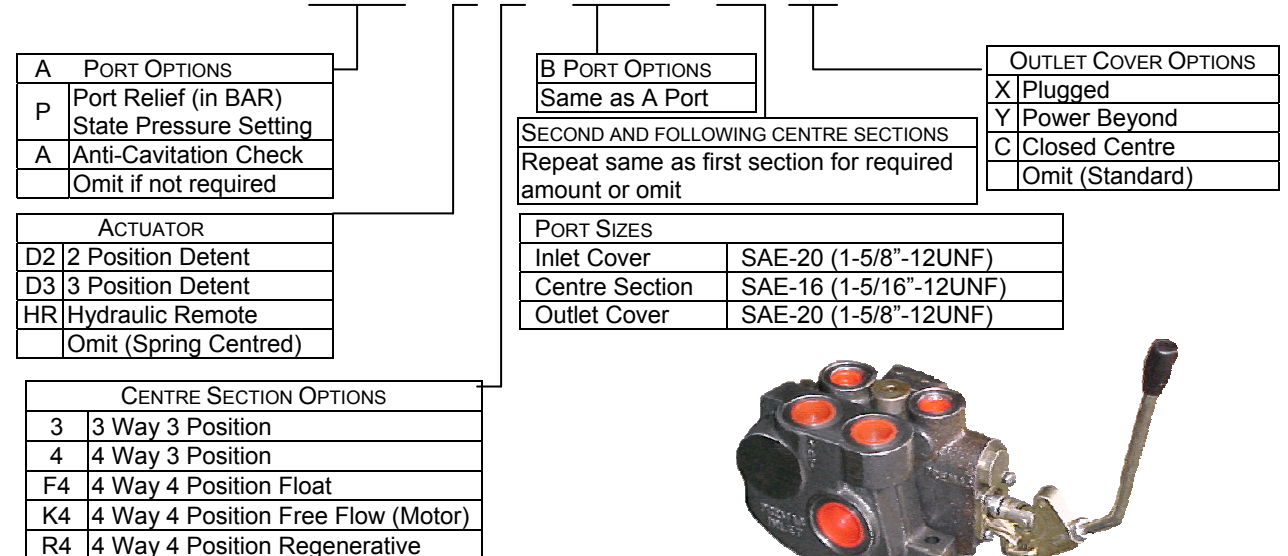


Fig 1.2: V150 Directional Control Valve

## V260 DIRECTIONAL CONTROL VALVE

### ORDERING INSTRUCTIONS:

**Model No: V260 – P150A – D 4 – P130A – F4 – Y**

A PORT OPTIONS	
P	Port Relief (in BAR) State Pressure Setting
A	Anti-Cavitation Check
	Omit if not required

ACTUATOR	
D2	2 Position Detent
D3	3 Position Detent
HR	Hydraulic Remote
	Omit (Spring Centred)

CENTRE SECTION OPTIONS	
3	3 Way 3 Position
4	4 Way 3 Position
F4	4 Way 4 Position Float
K4	4 Way 4 Position Free Flow (Motor)

B PORT OPTIONS	
	Same as A Port

SECOND AND FOLLOWING CENTRE SECTIONS  
Repeat same as first section for required amount or omit

PORTING	
	SAE-4 Bolt Flange

OUTLET COVER OPTIONS	
X	Plugged
Y	Power Beyond
C	Closed Centre
	Omit (Standard)

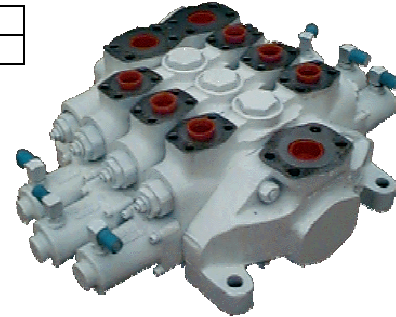


Fig 1.3: V260 Directional Control Valve

## MONOBLOCK DIRECTIONAL CONTROL VALVES

### SPECIFICATIONS

MODEL	V38	V40
CAPACITY LITRES/MIN NOMINAL	45 L/min	45 L/min
CONTINUOUS WORKING PRESSURE	240 bar	240 bar
NUMBER OF SPOOLS AVAILABLE	Single	3
SPOOL OPTIONS	3 Way 3 Position	3 Way 3 Position
	4 Way 3 Position	4 Way 3 Position
ACTUATOR	Spring Centred	Spring Centred
	3 Position Detent	3 Position Detent
	2 Position Detent	2 Position Detent
PORT SIZES	3/8 and 1/2 inch BSP	3/8 and 1/2 inch BSP
MISCELLANEOUS	Open Centre	Open Centre
	Closed Centre	Closed Centre
	Conversion Plug	Conversion Plug
	Load Holding Check	Load Holding Check

## V38 AND V40 DIRECTIONAL CONTROL VALVE

### ORDERING INSTRUCTIONS:

**Model No: V38/40 – P45A – D 4 – P130A – F4 – Y**

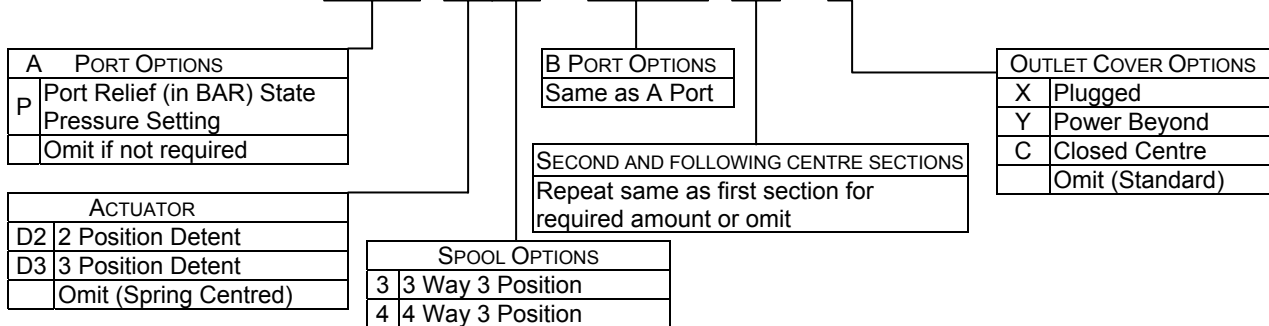


Fig 2.1: V38 Directional Control Valve

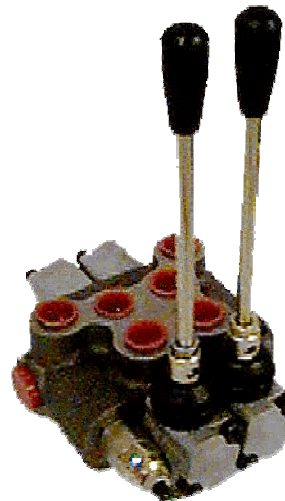


Fig 2.2: V40 Directional Control Valve



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INDIVIDUAL STUD KITS, SEAL KITS, HANDLE ASSEMBLY KITS, BRACKETS, PORT RELIEFS, MAIN RELIEFS,  
CHECK VALVES AND SECTIONS CAN BE PUT TOGETHER AND PURCHASED ON REQUEST.

ALL PURCHASES ARE SUBJECT TO A WARRANTY AND LIMITATION OF LIABILITY WHICH CAN BE EXAMINED  
UPON REQUEST.