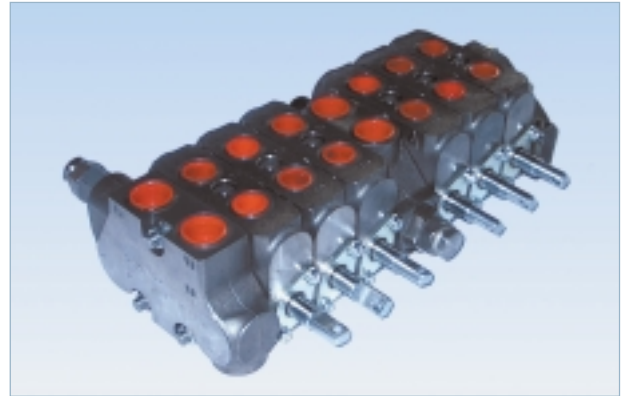


# KA18

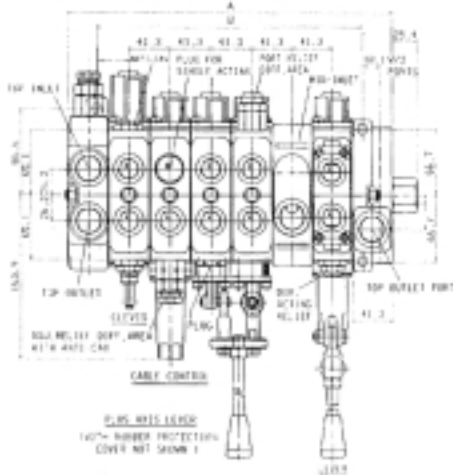


## General Description

Commercial KA 18 spool type directional control valves for open and closed centre circuits are of sectional design for flexibility of circuit construction. Each section also incorporates a load hold check valve to prevent interaction between services. Up to 9 sections can be banked in right hand and/or left hand and can be tandem, parallel or series circuit.

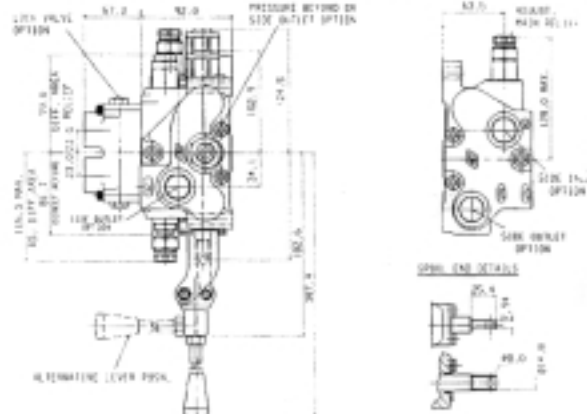


### DIMENSIONAL DATA (mm)



### Number of work sections

	1	2	3	4	5	6	7	8	9
"A"	123.8	165.1	206.4	247.7	288.9	330.2	371.5	412.8	454.0
"B"	63.5	104.8	146.1	187.3	228.6	269.9	311.2	352.4	393.7



Note: All system protection cartridges are optional.

## Technical Data

Maximum Pressure	KA18		
Main Relief Valve	320 bar		
Port Relief Valve	350 bar		
<b>Rated Flow:</b>	Nominal 80 l/min		
<b>Pressure Drops:</b>	Taken at 80l/min and in bar		
1 section	3	6	2.6
5 sections	9.2	7	3.2
9 sections	15.5	7.8	4.1
	<b>P to T</b>	<b>P to A &amp; B</b>	<b>A &amp; B to T</b>

### SPOOL FUNCTIONS

Double acting, single acting, motor, float, regenerative.

## Porting Threads

### INLET & OUTLET PORTS

3/4" ODT 3/4" BSP, M27 x 2

### SERVICE PORTS

5/8" ODT 1/2" BSP, M22 X 1,5

### PORT ACCESSORIES

Available as relief valve, anticavitation or combination of both, in screw or shim adjustable forms. Tamper proof option available. Double acting to single acting change over plug or steel blank.

- Hydraulic or pneumatic pilot.
- Cable operation.
- Manual operation.
- Micro switch adaptation for double/single acting sections.
- Cable or manual operation for operating 2 spools from one lever.

### ACTION MECHANISMS

Spring return, 3 position detent, 3 position detent spool in, or out, 2 position detent, 4th position detent for float.