36 100/103 ED





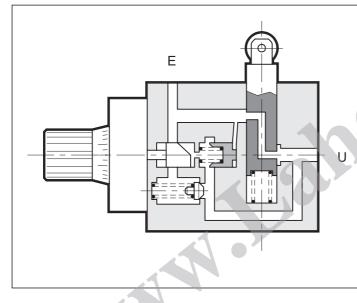
CP1R*-W ROLLER OPERATED FAST/SLOW SPEED SELECTION VALVE SERIES 21

THREADED PORTS

p max 70 bar

Q max 40 l/min.

OPERATING PRINCIPLE



- The CP1R*-W valve is used for the selection and control of fast/slow speed of hydraulic axis by mechanical roller operation.
- The slow working speed adjustment is obtained by using a pressure compensated flow control valve. The special shape of the control openings allows fine adjustment even with very low flow rates.
- Adjustment of the flow rate is carried out with three turns of the knob that can be locked in any position with a screw.
- It is available in two configurations: normally open CP1RA, normally closed CP1RC.
- It is supplied with an incorporated check valve that allows free passage of the reverse flow.

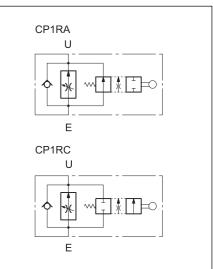
CONFIGURATIONS (see Hydraulic symbols table)

- CP1RA-W: normally open fast movement with roller in rest position and controlled slow movement with roller in operation.
- CP1RC-W: normally closed controlled slow movement with roller in rest position and fast movement with roller in operation.

PERFORMANCE RATINGS (obtained with mineral oil with viscosity of 36 cSt at 50°C)

Maximum operating pressure	bar	70	
Fast movement maximum flow rate	l/min	40	
Controlled slow movement flow rate max. min.	l/min l/min	4 - 10 - 16 0,1	
Roller working movement	mm	6	
Roller operation force	N	300	
Ambient temperature range	°C	-20 ÷ +50	
Fluid temperature range	°C	-20 ÷ +80	
Fluid viscosity range	cSt	10 ÷ 400	
Recommended viscosity	cSt	25	
Degree of fluid contamination	According to	According to NAS 1638 class 10	
Mass	kg	3,2	

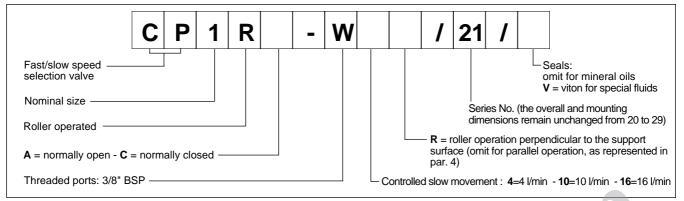
HYDRAULIC SYMBOLS



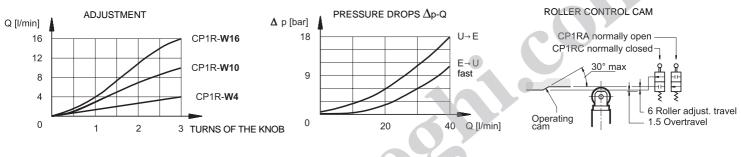


CP1R*-W SERIES 21

1 - IDENTIFICATION CODE



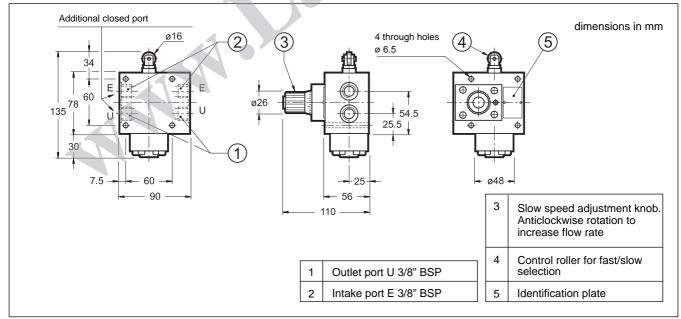
2 - CHARACTERISTIC CURVES (values obtained with viscosity of 36 cSt at 50°C)



3 - HYDRAULIC FLUIDS

Use mineral oil-based hydraulic fluids, with the addition of suitable anti-frothing and anti-oxidizing agents. For the use of other types (water glycol, phosphate esters and others), please consult our technical department.

4 - OVERALL AND MOUNTING DIMENSIONS





DUPLOMATIC HYDRAULICS

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