



CIRCUIT SELECTOR VALVES RRV-04-RRV-06



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CONTROLS

RELIABILITY FROM QUALITY



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GENERAL INFORMATION AND TECHNICAL DATA

The Nimco RRV 3/2 circuit selector valve is designed to handle flow rates up to 120 l/min (32 USGpm) at a maximum pressure of 250 bar (3630 psi).

The valve can be equipped with a number of different spools with or without built-in load holding check valves designed to provide 3/2 as well as 3/3 functions.

As with all other Nimco valves the RRV circuit selector valve can be delivered with very low spool leakage rates and with either positive or negative over lapping spools.

The RRV can be controlled either by hand or any direct acting force on the spool in combination with spring center or detent mechanism.

When remote control of the valve is preferred the RRV can be equipped with pneumatic, electrical pneumatic, hydraulic or electrical hydraulic controls.

Technical data:

Max. working pressure	bar	psi
	250	3630
Max. flow rate	l/min	USGpm
	120	32
Temperature range	°C	°F
Standard seals:	-40 to +80	-40 to +176
Spool leakage at 100 bar (1450 psi) and 25 mm²/s (cSt) (117 SSU) viscosity	cm³/min	inch³/min
	10-30	0.6-1.8

Filtration

Contamination level equal to or better than 18/14 according to ISO 4406.

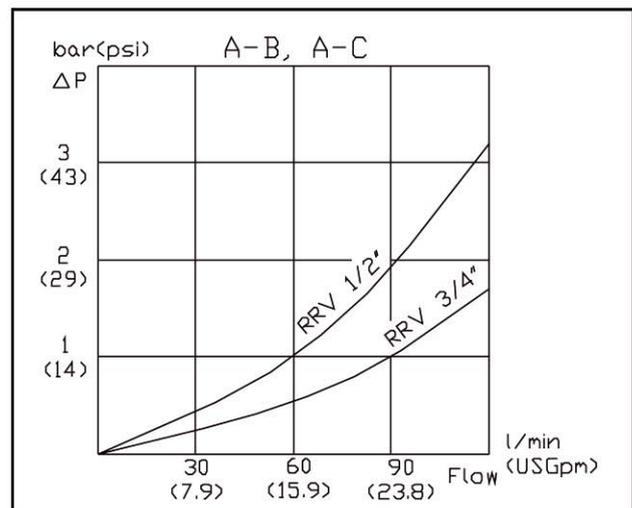
Viscosity	mm²/s(cSt)	SSU
	10-400	47-1875

Weight	kg	lbs
	3	6.6

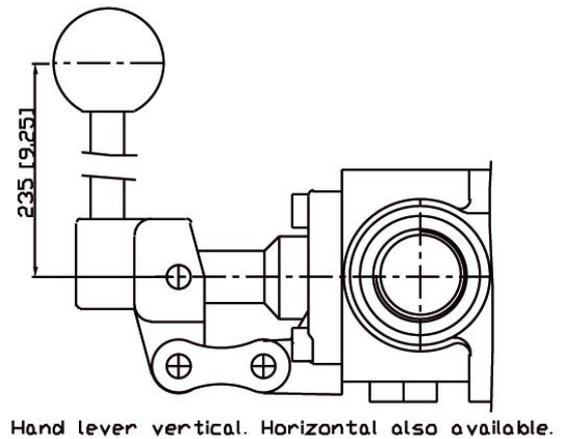
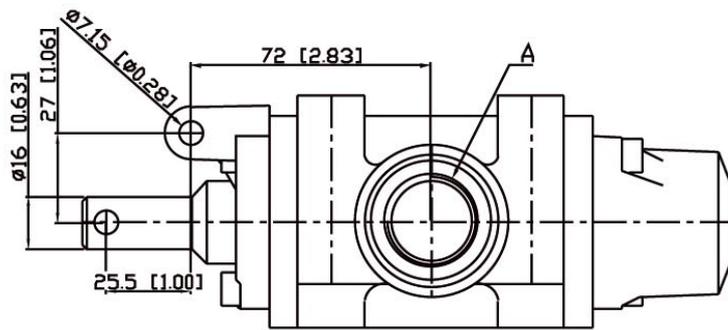
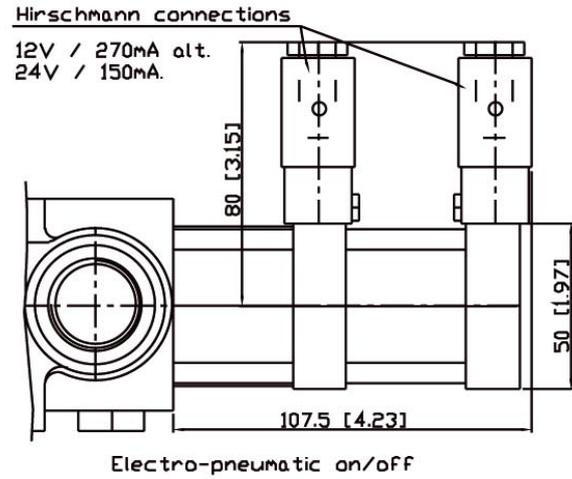
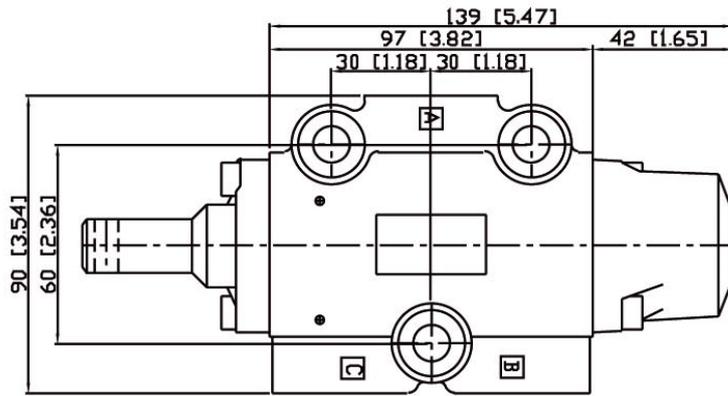
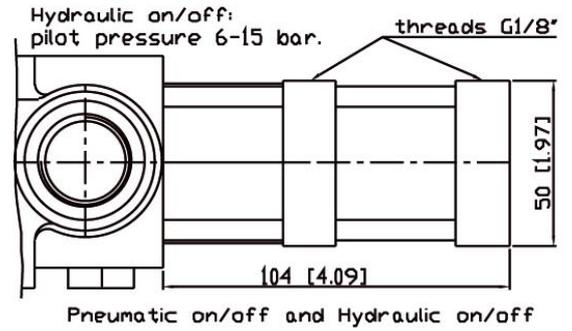
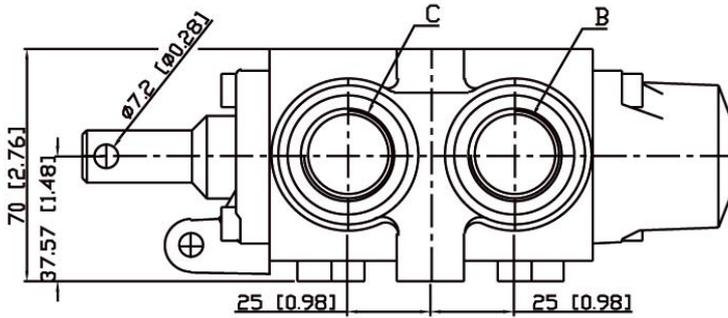
Operating force at the spool	N	kp
	300	30

Performance curve

Pressure drops at 25 mm²/s(cSt) (117 SSSU) viscosity, 50°C (122 °F) temperature and spool type 3.



DIMENSIONS



Available threads on the ports A, B and C:

RRV	BSP	SAE	Metric
04	1/2"	3/4-16" SAE8	M18 x 1.5
06	3/4"	11/16" SAE12	M22 x 1.5

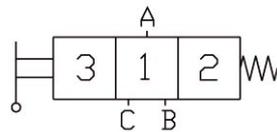
STANDARD VALVES & ORDER CODE

Please use below hydraulic symbols and order codes when ordering the RRV valve.

Shown here are standard combinations available. Please contact our factory if you should require any other combination of spools, spool controls or threads.

Kindly specify whether you require valves with positive or negative over lapping and if you require meter in/out or on/off functions only.

Also specify separately the type of hand lever you require with each valve (see previous page for specifics on hand lever).



Code	Hydraulic symbol	Code	Hydraulic symbol	Code	Hydraulic symbol
4S-1790		4S-1839		3S-6631	
4S-1830		4S-1840		4S-6681	
4S-1831		4S-1841		4S-6682	
4S-1832		3S-6603		4S-6684	
4S-1833		3S-6609		4S-6686	
4S-1834		3S-6611		4S-6687	
4S-1835		4S-6620		4S-6688	
4S-1837		3S-6624		4S-6692	
4S-1838		3S-6625			

Order example: RRV-3/4"-4S-1790-positive overlapping-on/off - hand lever vertical.

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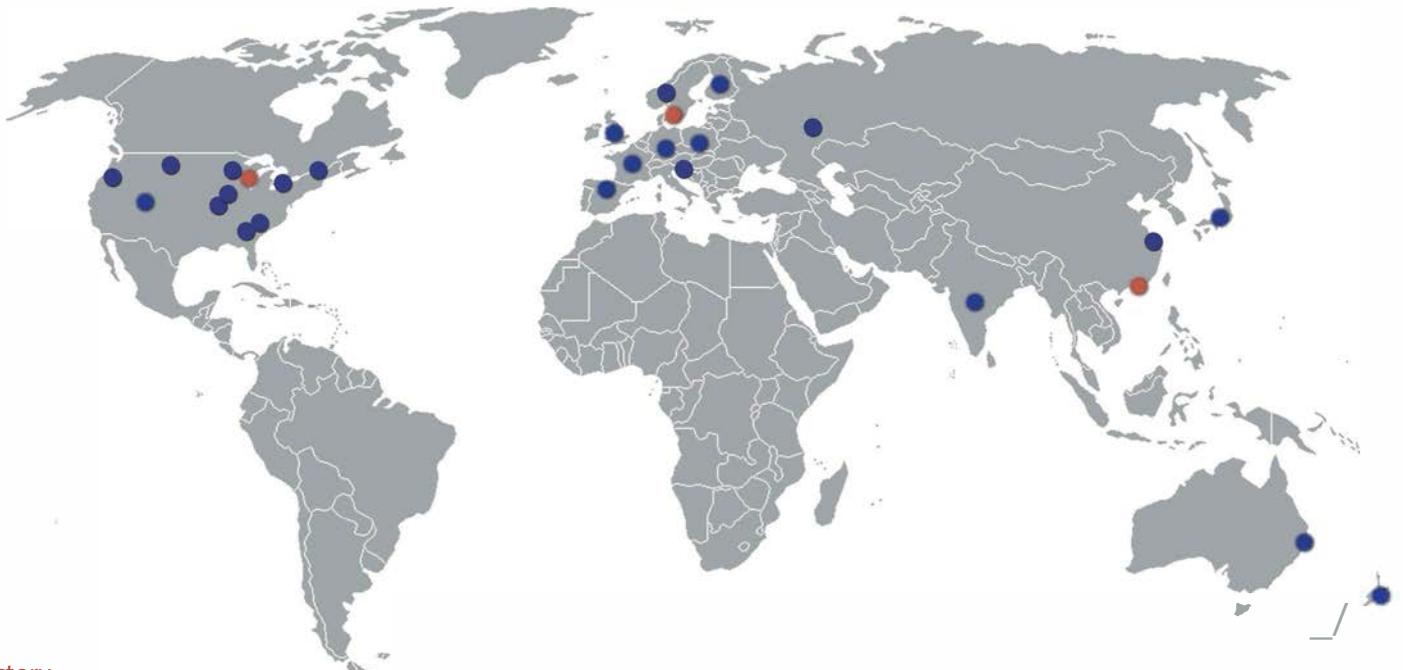
hydraulic systems

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- Distributor