DAC INTERNATIONAL



Selector Valve RV 713

Key valve features

RV 713 is a 3 way selector valve designed for flows up to 160 l/min and max. operating pressures up to 250 bar.

Spools, both 2 and 3 positional, are available in many various types including spools with built in check valves. Standard spools are designed with under lap.

A wide range of spool controls, both for manual operation as well as for remote control, are available.

Applications

Typical applications for RV 713 are tipping gears and demontable bodies equipment vehicles.

The configeration with check valve spools are typical used as limit switch on tiping gears.

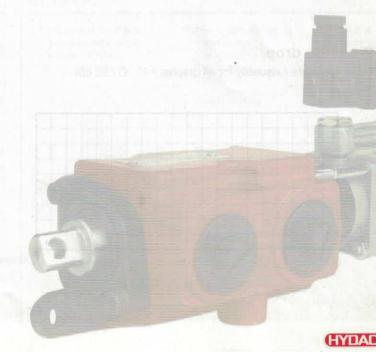
Technical data

Pressures / Flows		
Max. operating pressure per port:		
A, B, C:	250 bar (25,0 MPa)¹	
Max. permissible flow port A:	160 l/min	
Fluid temperature range:	-15 °C up to +80 °C	

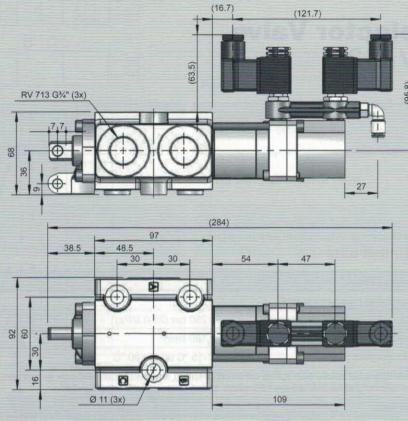
¹ Manual operated valves with spring centered or spring returned spools are only recommended

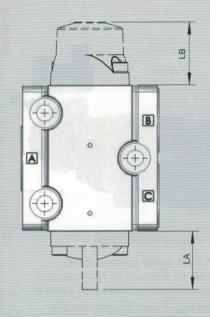
Further data		
Spool control force:		
Neutral position:	280 N	
Max spool stroke:	400 N	
Permissible contamination level:	Equal or better than 20/18/14 as per ISO 4406	
Viscosity range:	10 – 400 cSt Higher viscosity allowed at start up	
Leakage B.C → A at 100 bar 32 cSt and 40 °C:	<40 cc/min	
Pressure fluid:	Mineral oil and synthetic oil based on mineral oil HL, HLP according to DIN 51524	

Higher values are possible, depending on application. For applications with data that exceeds stated data above, please contact us for consideration. MTTFd value after consultation with HYDAC.



Dimensions and weight





3 kg

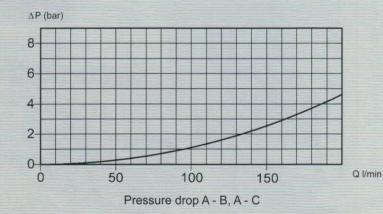
Ø8F8 48.5	
Ø8 E9 8 E9	

Туре	LA [mm]	LB [mm]
9	41.6	
91	41.6	
92	41.6	
93	41.6	
94	41.6	
10	41.6	
21	41.6	
22	41.6	
P - P4	109	
EP	142	
M19RV		38.5
M12		89.5

Weight

Pressure drop

Oil temperature / viscosity for all graphs: +40 °C / 32 cSt



Spool controls

Spool control 9	AAAC — I — I — IAAA
Spring centering	WIIIII
Spool control 91	
Spring return from position II to position I	ППТ
Spool control 92	
Spring return from position III to position I	w I I
Spool control 92B	
Spring return from position III to position I. OBS! B port must be plugged	WIII
Spool control 93	
Spring return from position I to position II	WIII
Spool control 94	
Spring return from position I to position III	
Spool control 10	
Detents in positions I, II and III	
Spool control 21	
Detents in positions I and II	
Spool control 22	
Detents in positions I and III	
Spool control P	
Pneumatic on/off spring centered*	W I I III W
Spool control P1	
Pneumatic on/off spring return from position II to position I*	ПIM
Spool control P2	
Pneumatic on/off, spring return from position III to position I*	WIII
Spool control P3	
Pneumatic on/off, spring return from position I to position II*	WIII
Spool control P4	
Pneumatic on/off, spring return from position I to position III*	₩ I III ww

Spool control EP24		1000
Electro-preumatic on/off 24 V, spring centered*/**		
Spool control EP12		
Electro-preumatic on/off 12 V, spring centered*/**	W III	
Spool control EP124		
Electro pneumatic on/off, 24 V, spring return from position II to position I*/**	ZD II I W	٨
Spool control EP112		
Electro pneumatic on/off, 12 V, spring return from position II to position I*/**	ZD II I W	٨
Spool control EP224		
Electro pneumatic on/off, 24 V, spring return from position III to position I*/**	W I I	
Spool control EP212		
Electro pneumatic on/off, 12 V, spring return from position III to position I*/**	x WIII	
Spool control EP324		
Electro pneumatic on/ off, 24 V, spring return from position I to position II*/**	WIII	1 7
Spool control EP312		
Electro pneumatic on/off, 12 V, spring return from position I to position II*/**	WIII	1 1
Spool control EP424		
Electro pneumatic on/off, 24 V, spring return from position I to position III*/**		∏
Spool control EP412		
Electro pneumatic on/off, 12 V, spring return from position I to position III*/**		∏ W
* Connection G1/8" BSP, max pneumatic supply pressure 10 bar	* Power consumption Rated voltage Max voltage variation Duty factor Connection	4.8 V 12 and 24 V +/-10 % 100 % according to
	Protection class	N175301-803/E

Spools

ПППП	Spool control EP24	8 leunus laeg8
B C		
T T	Function	Code
	Float spool, 2-position	1A
	Spool with built in check valve	2B
\$ I \ I	Spool with built in check valve, shall be used with the valve houses C-port plugged	2C
	Selector spool, 2-position	3A
	Selector spool, with float function in position I, 3-position	4A
1/4 ×	Spool with built in check vallve, normally B-port plugged. For use with bracket M12 and spool control 92B	4C
	Selector spool with float in position III	5A
	Selector spool with all ports closed in position I	7A

Brackets

Bracket including manoeuvre pin. To be used together with Spool 4C and Spool control 92B Bracket M19RV Bracket for 2 or 3 positional spools with standard spool end

Note

The information in this brochure relates to the operating conditions and applications described.

For applications or operating conditions not described, please contact the relevant technical department.

Subject to technical modifications.



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