043-100-R00-EN



HVR ***** -I

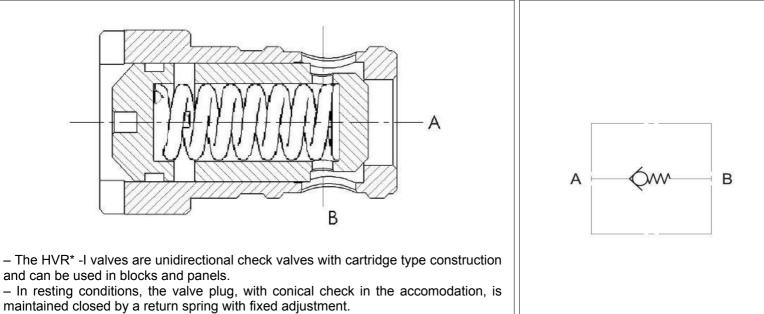
CHECK VALVE CARTRIDGE TYPE

2 – HYDRAULIC SYMBOL



Maximum pressure: consult item 3, Technical Features **Maximum flow rate:** consult item 3, Technical Features

1 – OPERATING PRINCIPLE

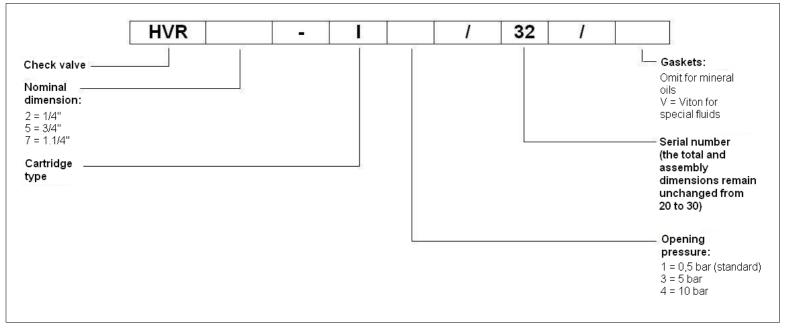


The plug opening occurs when the pressure at entrance line "A" surpasses the adjusted value on the spring, plus the existent pressure at exit line "B".
Available in three sizes for flow rates of up to 300 L/min and with three different opening pressures.

3 – TECHNIC	AL FEATURES								
Valve code	Nominal dimension	Maximum flow rate	Weight (kg)	Maximum working pressure (bar)					
		(L/min)	Weight (Kg)	Continuous	Peak				
HVR2-I	1/4"	50	0,1	320					
HVR5-I	3/4"	150	0,2	- 250	320				
HVR7-I	1.1/4"	300	0,8	250					
Ambient temperature range	0	C	-20 to +50						
Fluid temperature range	0	С	-20 to +80						
Fluid viscosity range	C	St	10 to 400						
Degree of fluid contamination	According to ISO 4406:1999 class 20/18/15								
Recommended viscosity	cs	ST	25						



4 – IDENTIFICATION



5 – HYDRAULIC FLUID

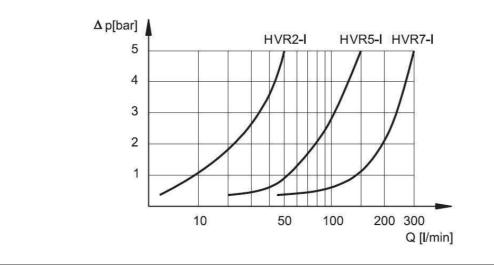
- Use hydraulic fluids of HL or HM types based on mineral oils according to ISO 6743-4. For these fluids, use NBR gaskets. For HFDR fluids (phosphate esters), use FFM gaskets (code V).

- For use of other fluid types, such as HFA, HFB and HDC, please consult our Technical Department. The use of fluids with temperatures over 80°C causes further degradation of the fluid and the gaskets features.

- The fluid should be maintained with its physical and chemical features.

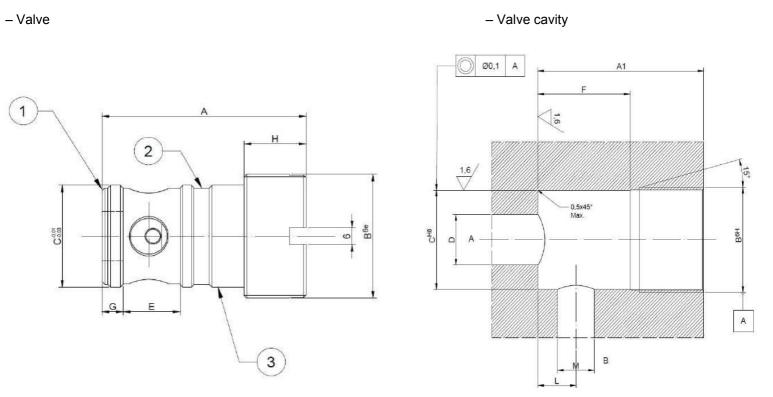
6 – PRESSURE DROP CHART Δp -Q

- Add the opening pressure to the values shown on the diagram.
- Curves measured using mineral oil with viscosity of 36 cSt at 50°C.





7 – DIMENSIONS



- Dimensions in milimeters.

- NOTE: the A1 dimension should be at least 1mm bigger than the A dimension indicated in the table.

-	Α	В	ØC	ØD max.	E	F	G	н	L	ØM max.	1	2	3	Grip torque
HVR2-I	41	M24x1,5	22	9	10	22	4	14	9	9	OR 119 (15,08x2,62)	OR 3068 (17,13x2,62)	Parbak 8-115	25 Nm
HVR6-I	43	M30x1,5	27	15	13,5	26	4,5	12	11	12	OR 3081 (20,24x2,62) Shore 90	OR 2093 (23,52x1,78)	Parbak 8-021	50 Nm
HVR7-I	72	M45x2	41	21	20	40	7,5	22	16,5	16	OR 3137 (34,60x2,62)	OR 4137 (34,52x3,53) Shore 90	Parbak 8-220	80 Nm

1 – HT reserves the right to change informations of this catalog without previous warning.

2 – Copy is forbidden.3 – If not indicated, dimensions in milimeters.

