

Technical Data	DNVC 1000-14	DNVC 1000-10	DNVC 1000-04
			
<b>Material</b>	Pom (black)	Pom (black)	Pom (black)
<b>Body</b>	Polycarbonate, (transparent brown)	Polycarbonate, (transparent brown)	Polycarbonate, (transparent brown)
<b>Cover</b>	NBR	NBR	NBR
<b>Sealing</b>			
<b>Supply Voltage</b>	24 VDC	24 VDC	24 VDC
<b>Electrical connection</b>	M12x1 (5-pole) connector	M12x1 (5-pole) connector	M12x1 (5-pole) connector
<b>DeviceNet specification</b>			
<b>Input data:</b>	Byte	Byte	Byte
<b>Output data:</b>	Byte	Byte	Byte
<b>Terminating resistor (not included)</b>	120Ω (between data lines)	120Ω (between data lines)	120Ω (between data lines)
<b>Feedback</b>			
<b>Pos. open (digital)</b>	Red		Red
<b>Pos. Closed (digital)</b>	Black		Black
<b>Power consumption max.</b>	3,5 Watt	3,5 Watt	2,5 Watt
<b>Stroke range Valve spindle</b>	3.....30 mm	3.....30 mm	3.....30 mm
<b>Solenoid valve type</b>	3/2-way NC	3/2-way NC	
<b>Power consumption [Vdc/W]</b>	24Vdc / 2 Watt	24Vdc / 2 Watt	
<b>Response time [ms]</b>	15	15	
<b>Orifice [mm<sup>2</sup>] / QNn [l/min]</b>	1,2 / 40	1,2 / 40	
<b>Seal-material</b>	NBR	NBR	
<b>Supply pressure</b>	4-7 Bar	4-7 Bar	
<b>Control medium</b>	Neutral gases, air DIN ISO 8573-1	Neutral gases, air DIN ISO 8573-1	
<b>Dust concentration</b>	Class 3 (<5µm particle size)	Class 3 (<5µm particle size)	
<b>Particle density</b>	Class 3 (<5mg/m <sup>3</sup> )	Class 3 (<5mg/m <sup>3</sup> )	
<b>Pressure condensation point</b>	Class 3 (<-20°C)	Class 3 (<-20°C)	
<b>Oil concentration</b>	Class 1 (< 0,01 mg/m <sup>3</sup> )	Class 1 (< 0,01 mg/m <sup>3</sup> )	
<b>Air input filter</b>	-Install air filters close to valve at their upstream side. A filtration degree of 5 µm or less should be selected		
<b>Install an air dryer, after cooler or Drain Catch, etc</b>	-Air that includes excessive drainage may cause malfunction of valves and other pneumatic equipment. To prevent this, install an air dryer, after-cooler or water separator,etc		
<b>If excessive carbon powder is seen, install a mist separator on the upstream side of the valve</b>	-If excessive carbon dust is generated by the compressor, it may adhere to the inside of valves and cause malfunction		
<b>Pilot air ports</b>	1/8"G / plug-on fitting 6.0	1/8"G / plug-on fitting 6.0	
<b>Ambient temperature</b>	-10.....+50°C ( no freezing.)	-10.....+50°C ( no freezing.)	
<b>Electrical Protection class</b>	III	III	III
<b>Housing protection class</b>	IP 67	IP 67	IP 67
<b>Installation</b>	As required, preferably with actuator in upright position	As required, preferably with actuator in upright position	As required, preferably with actuator in upright position
<b>Dimensions BxH</b>	70 x 104	70 x 104	70 x 104
<b>OPTIONS</b>			
<b>External sensors</b>	PNP	PNP	PNP
<b>AIR connections</b>	1/8"G / plug-on fitting 8.0 1/4"G / plug-on fitting 6.0 1/4"G / plug-on fitting 8.0	1/8"G / plug-on fitting 8.0 1/4"G / plug-on fitting 6.0 1/4"G / plug-on fitting 8.0	1/8"G / plug-on fitting 8.0 1/4"G / plug-on fitting 6.0 1/4"G / plug-on fitting 8.0

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