

Restrictions on sealing materials for drinking water applications are a growing challenge.

Danfoss Solenoid Valve Sealings: An Approved Solution

Danfoss solenoid valves with WRAS are designed for drinking water applications.



WRAS approved

- no toxic additives
- prevent bacterial contamination with safe EPDM sealing
- offers easy installation and removal with the clip-on coil



The new Danfoss solenoid valve series ensures you and your customers a new standard of pure. The protection of public health is key in any residential area, and preventing contamination of the public water supply is a primary concern. Therefore, every component in the water system must have the right approvals and meet strict legislative requirements. Danfoss has the approved portfolio for you.

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avrora-arm.ru ENGINEERING TOMORROW **Danfoss**
 +7 (495) 956-62-18

Fluid control valves | Danfoss solenoid valves

The clever choice for installers. **The safe choice for drinking water**



A whole range of pure: Choose the right solution from our extensive program



	EV210B 2/2-way	EV310B 3/2-way	EV220B 6-22 2/2-way	EV220B 15-50 2/2-way	EV220BW 2/2-way	EV228B 2/2-way	EV228BW 2/2-way	EV220B 65-100 2/2-way	EV222B 2/2-way	EV224B 2/2-way	EV225B 2/2-way	EV250B 2/2-way	EV215B 2/2-way	EV260B 2-way proportional	EV220W 2/2-way		
Media	Seal material	EV210B 2/2-way	EV310B 3/2-way	EV220B 6-22 2/2-way	EV220B 15-50 2/2-way	EV220BW 2/2-way	EV228B 2/2-way	EV228BW 2/2-way	EV220B 65-100 2/2-way	EV222B 2/2-way	EV224B 2/2-way	EV225B 2/2-way	EV250B 2/2-way	EV215B 2/2-way	EV260B 2-way proportional	EV220W 2/2-way	
	Water/Brine	Water/Brine icon	Water/Brine icon	Water/Brine icon	Water/Brine icon		Water/Brine icon		Water/Brine icon	Water/Brine icon			Water/Brine icon	Water/Brine icon	Water/Brine icon	Water/Brine icon	
	WRAS drinking water approved	WRAS icon		WRAS icon	WRAS icon	WRAS icon							WRAS icon				WRAS icon
	Air and neutral gasses	Air icon	Air icon	Air icon	Air icon				Air icon	Air icon	Air icon		Air icon				
	Oil	Oil icon	Oil icon	Oil icon	Oil icon				Oil icon	Oil icon			Oil icon	Oil icon			
	Slightly aggressive media	Star icon		Star icon	Star icon		Star icon			Star icon		Star icon	Star icon				
	Aggressive media	Star icon			Star icon					Star icon							
Steam	Steam icon			Steam icon							Steam icon	Steam icon					
Characteristics	System suitability	Closed and drain	Closed and drain	Open	Open	Open	Open	Open	Open	Open	Open	Closed and drain	Closed and drain	Open	Open		
	Connection	G 1/8 - G1	G 1/8 - G 3/8, flange 32 mm	G 1/4 - G1	G 1/2 - G2	G 1/2 - G2	G 1/2 - G1	G 1/2 - G2	Flange connections: 2.5, 3 and 4"	G 1/2 - G2	G 1/2 - G1	G 1/4 - G1	G 3/8 - G1	G 3/8-G1	G 1/4 - G 3/4	G 3/8-G2	
	Function	NC or NO	NC or NO	NC or NO	NC or NO	NC or NO	UN	UN	NC	NC	NC or NO	NC	NC or NO	NC	NC	NC or NO	
	Orifice size mm	1.5 - 25	1.5 - 3.5	6 - 22	15 - 50	15 - 50	15-25	15 - 50	65 - 100	15 - 50	15 - 25	6 - 25	10 - 22	10 - 22	6 - 20	10 - 50	
	Pressure range, bar	0 - 30	0 - 20	0.1 - 30	0.3 - 16	0.3 - 10	0.3 - 10	0.3-10	0.25 - 10	0.3 - 10	0.3 - 40	0.2 - 10	0 - 10	0 - 10	0.5 - 10	0.2 - 10	
	Medium temperature max.	140 C°	100 C°	100 C°	140 C°	90 C°	60 C°	60 C°	90 C°	100 C°	60 C°	185 C°	140 C°	90 C°	80 C°	90 C°	
	Kv value m3/h	0.08 - 8	0.08 - 0.4	0.7 - 6	4 - 40	4 - 40	4-11	4 - 40	50 - 130	4 - 40	4 - 11	0.9 - 6	2.5 - 7	1.5 - 3.5	0.8 - 5	1 - 32	
	Special features	Isolating diaphragm	Manual override option				UN, latching	UN, latching		Isolating diaphragm	High pressure						
	Approvals *)	WRAS, ACS, PZH		WRAS, SINTEF, ACS, PZH	WRAS, SINTEF, ACS, PZH	RISE, SINTEF, (WRAS (DN40,50))		RISE, SINTEF	PZH				WRAS (Pending), ACS, PZH			WRAS	
	Material	Valve body	Brass or stainless steel	Brass	Brass or DZR brass	Brass, DZR Brass or stainless steel	Eco Brass or Stainless steel	DZR	Eco Brass or Stainless steel	Cast iron	Stainless steel	Brass	DZR Brass	DZR Brass	Brass	Brass	Brass
Internal		Stainless steel	Stainless steel	Stainless steel and DZR brass	Stainless steel and DZR brass	Stainless steel and DZR brass	Stainless steel and DZR brass	Stainless steel and DZR brass	Stainless steel and DZR brass	Stainless steel	Stainless steel	Stainless steel	Stainless steel	Stainless steel and DZR brass	Stainless steel	Stainless steel	
Seal material		EPDM or FKM	FKM	EPDM or FKM	EPDM, FKM or NBR	EPDM	EPDM	EPDM	EPDM or NBR	FKM	NBR	PTFE and AFLAS	EPDM or FKM	NBR	FKM or PTFE	NBR or EPDM	

*) RISE = The Swedish Research Institute SINTEF = Industrial and Technical Research Institute (Norway) WRAS = Water Regulations Advisory Scheme. ACS = Attestation De Conformite Sanitaire. PZH = National Institute of Public Health