

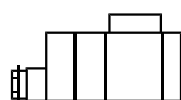
**2/2-way servo
operated valve**
Type EVSR 10 - 22
for neutral brines

Features


- For neutral brine
- Viscosity: Up to 50 mm²/s (cSt)
- Ambient temperature: 50°C max.
- Coil enclosure: IP 67
- Thread connections: From G 3/8 to G 1
- Stainless steel screws for optimum corrosion resistance
- Constructed with diaphragm in softer material and with stronger armature spring for optimum closing at low Δp.
- Only for use with 018F clip-on coils

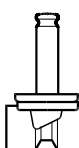
Technical data

Type	EVSR 10 - EVSR 22
Pressure range	0.1 to 5 bar
Test pressure	max. 16 bar
Ambient temperature	50°C max.
Medium temperature	-35 to +60°C
Viscosity	Max. 50 mm ² /s (cSt)

Recommended coil


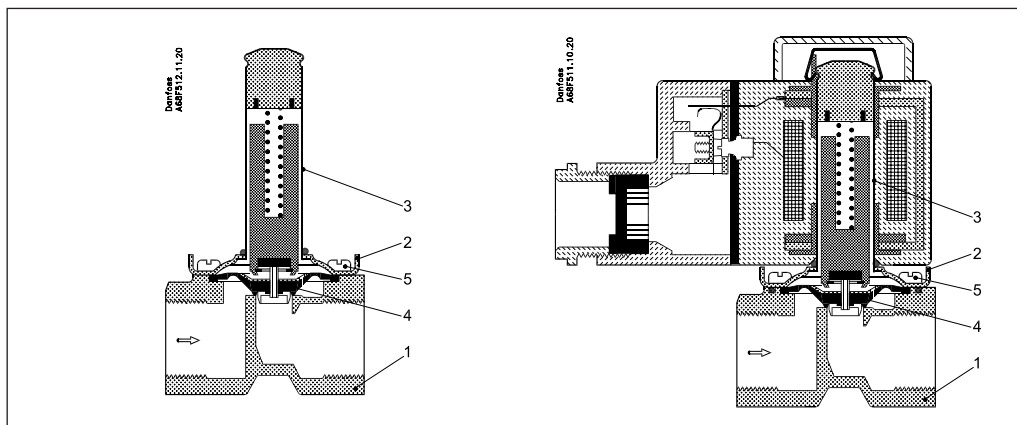
Type 018F
12 W a.c. / 20 W d.c.

Voltage V	Frequency Hz	Code no.
24	50	018F6807
220/230	50	018F6801
240	50	018F6802
380/400	50	018F6803

Ordering


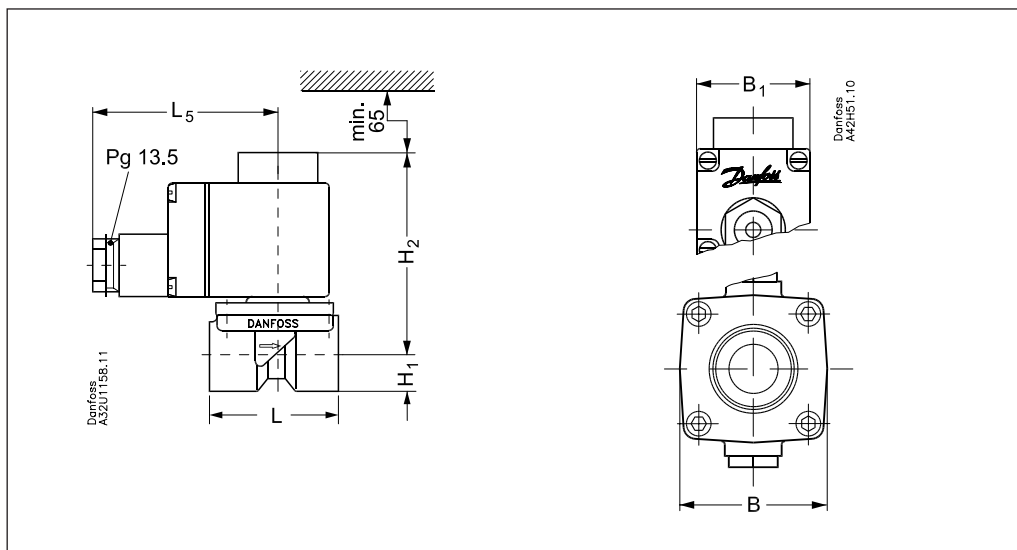
Connection ISO 228/1	k _v -value [m ³ /h]	Permissible diff. pressure		Code number, EVSR	
		min. [bar]	max. [bar]	Valvetype	Code no.
G 3/8	1.5	0.1	5	EVSR 10	068F4050
G 1/2	2.5	0.1	5	EVSR 12	068F4052
G 1/2	3.5	0.1	5	EVSR 14	068F4053
G 3/4	5.5	0.1	5	EVSR 18	068F4054
G 1	5.5	0.1	5	EVSR 22	068F4055

Material specification



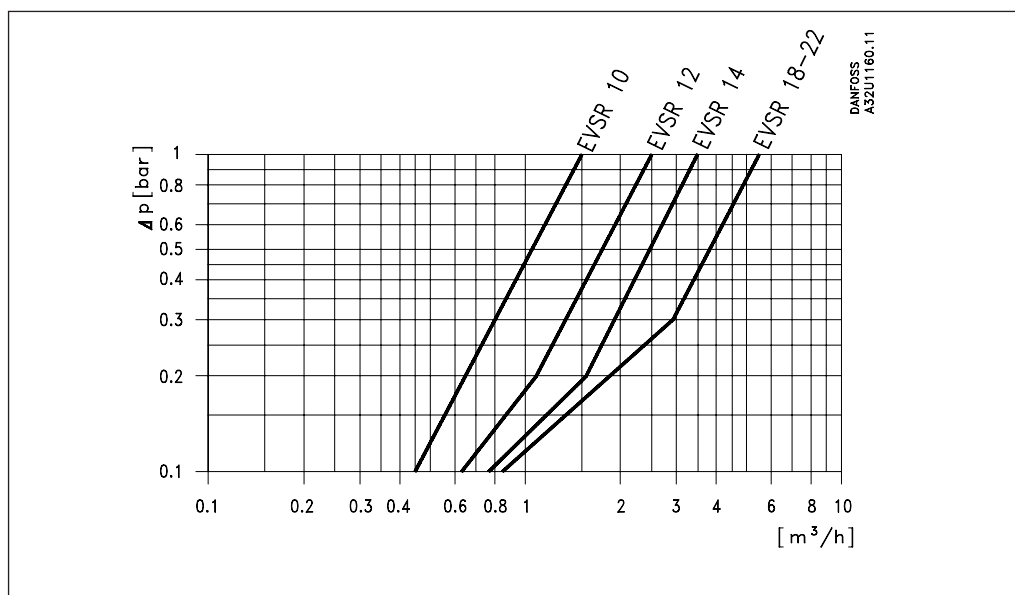
No.	Description	Solenoid valves					Standard	
		Type	Material	Analysis	Mat.no.	W.no.	DIN	EN
1	Valve body	EVSR 10-20	Brass	CUZn40Pb2	CW617	2.0402	17672-1	12165
2	Cover		Stainless steel	X5CrNi18-10		1.4301		10088
3	Armature tube		Stainless steel	X2CrNi19-11		1.4306		10088
4	Diaphragm		Rubber	EPDM				
5	Screws		Stainless steel	A2-70			3506	

Dimensions and weights



Type	L [mm]	B [mm]	B ₁ [mm]		H ₁ [mm]	H ₂ [mm]	Weight without coil [kg]
			10 W a.c. 18 W d.c.	12 W a.c. 20 W d.c.			
EVSR 10	51.0	48.0	46	66	13.0	84.0	0.29
EVSR 12	58.0	50.0	46	66	13.0	84.0	0.35
EVSR 14	80.0	52.0	46	66	15.0	87.0	0.50
EVSR 18	90.0	56.0	46	66	18.0	90.0	0.65
EVSR 22	90.0	58.0	46	66	18.0	98.0	1.00

**Capacity diagram, water
EVSR 10 - 22**



**Indicative capacity
correction factors for
different viscosities**

Viscosity, mm ² /s	10	20	30	40	50
Correction factor	1.10	1.15	1.20	1.30	1.45

Multiply the capacity (m³/h) with the viscosity correction factor of the brine selected for the system. Then use the water capacity diagram

to find the EVSR valve that complies with the corrected capacity