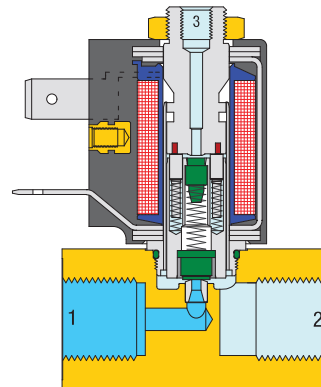


DIGMA Solenoid Valves Type EAV Series 200



Solenoid valve series with familiar constructional design, however with significantly improved magnetic circuit.

On the lower part of the guide tube a magnetic nipple is welded on, which reduces the magnetic resistance of the circuit.

This improvement enables among other things the use of solenoid valves with significantly reduced power consumption and thus lowers the self-heating of the system.

A further feature of this series is the especially strong and corrosion-resistant construction. Solenoid coils with four graduated performance classes enable convenient adjustment to various requirements, with respect to nominal width, diameters, operating pressure, power consumption, Type of current or permitted self-heating.

CHARACTERISTICS

GENERAL

Constructional design	Seat valve, rubber seals			
Product name	2/2-way solenoid valve		3/2-way solenoid valve	
Actuation	electric, direct-acting, resting manual override optional			
Product type	EAV-2..-A..	EAV-2..-B..	EAV-2..-C..	EAV-2..-D..
Function	“A” normally closed (closing with flow)	“B” normally open (closing against current)	“C” normally closed with “1”, “2” to “3” discharged (closing against current)	“D” in 0 position “1” to “2” open, “3” closed (closing against current)
Nominal diameter	DN 1.2 to DN 2.2	DN 1.2 to DN 1.8		
Connection	M 5 or pipe thread (ISO 228) G 1/8 to G 1/4			
Ambient temperature	-20 °C to +60 °C (others on request)			
Medium temperature	with NBR: -10 °C to +90 °C for FKM: -10 °C to +130 °C (for exceptions see table)			
Medium viscosity	up to approx. 20 mm²/s			
Valve body material	Brass			
Manual override	PPE (Polyphenylene ether)			
Seat nozzle material	Stainless steel			
Other inner component material	Stainless steel and non-ferrous metal. DC non-ferrous metal-free version			
Seal material	NBR (Nitrile rubber) or FKM (Fluoride rubber) (others on request)			
Mounting method	2 M3 tapped holes in valve body or using rigid pipework			
Mounting position	optional, preferably upright			
PNEUMATIC - HYDRAULIC				
Nominal pressure	According to Type table. The numerical value of the nominal pressure PN signifies the permitted excess operating pressure OP in bar at 60 °C ambient temperature and 60 °C medium temperature. Insofar as two values are given, the first value refers to solenoid coils with highest electrical power consumption, the second value to that with lowest power consumption.			
Pressure range	Technical vacuum up to permitted operating pressure OP. For exceptions which refer to minimum permitted operating pressure see table.			
Flow rate	Kv-value and QNn-value according to Type table			
Medium	gaseous or liquid Sealing material NBR: e.g. compressed air, water, hydraulic fluids, neutral gases Sealing material FKM: e.g. solvents, hot water, hot air			
Response time	opening time: 7 - 20 ms closing time: 12 - 20 ms			
Electrical	see solenoid coils			

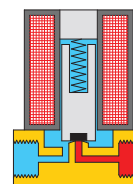
2/2-Way Solenoid Valve - Type EAV Series 200

Price group **51**

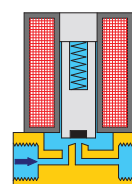
"A" normally closed NC

Brass

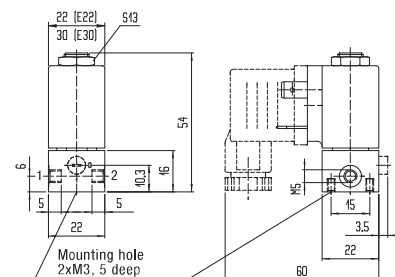
Version	DN	Kv-value water [m³/h]	Q _N -value air [l/min]	G	PN	Sealing material	Type	Order number	Price
without manual override for all AC and DC coils	1.2	0.05	50	M5	40/16	NBR	EAV-211-A12-M05BK-00	605001	o. r.
	1.2	0.05	50	M5	40/16	FKM	EAV-211-A12-M05FK-00	605002	o. r.
	1.2	0.05	50	G 1/8	40/16	NBR	EAV-211-A12-1/8BK-00	605003	o. r.
	1.2	0.05	50	G 1/8	40/16	FKM	EAV-211-A12-1/8FK-00	605004	o. r.
	1.5	0.06	68	M5	32/6	NBR	EAV-211-A15-M05BK-00	605007	o. r.
	1.5	0.06	68	M5	32/6	FKM	EAV-211-A15-M05FK-00	605008	o. r.
	1.5	0.06	68	G 1/8	32/6	NBR	EAV-211-A15-1/8BK-00	605009	o. r.
	1.5	0.06	68	G 1/8	32/6	FKM	EAV-211-A15-1/8FK-00	605010	o. r.
	1.8	0.11	125	M5	32/6	NBR	EAV-211-A18-M05BK-00	605013	o. r.
	1.8	0.11	125	M5	32/6	FKM	EAV-211-A18-M05FK-00	605014	o. r.
	1.8	0.11	125	G 1/8	32/6	NBR	EAV-211-A18-1/8BK-00	605015	o. r.
	1.8	0.11	125	G 1/8	32/6	FKM	EAV-211-A18-1/8FK-00	605016	o. r.
	2	0.12	145	M5	25/4	NBR	EAV-211-A20-M05BK-00	605019	o. r.
	2	0.12	145	M5	25/4	FKM	EAV-211-A20-M05FK-00	605020	o. r.
	2	0.12	145	G 1/8	25/4	NBR	EAV-211-A20-1/8BK-00	605021	o. r.
	2	0.12	145	G 1/8	25/4	FKM	EAV-211-A20-1/8FK-00	605022	o. r.
	2	0.12	145	G 1/4	25/4	NBR	EAV-211-A20-1/4BK-00	605023	o. r.
	2	0.12	145	G 1/4	25/4	FKM	EAV-211-A20-1/4FK-00	605024	o. r.
	2.2	0.13	165	M5	16/3	NBR	EAV-211-A22-M05BK-00	605025	o. r.
	2.2	0.13	165	M5	16/3	FKM	EAV-211-A22-M05FK-00	605026	o. r.
	2.2	0.13	165	G 1/8	16/3	NBR	EAV-211-A22-1/8BK-00	605027	o. r.
	2.2	0.13	165	G 1/8	16/3	FKM	EAV-211-A22-1/8FK-00	605028	o. r.
	2.2	0.13	165	G 1/4	16/3	NBR	EAV-211-A22-1/4BK-00	605029	o. r.
	2.2	0.13	165	G 1/4	16/3	FKM	EAV-211-A22-1/4FK-00	605030	o. r.
without manual override for all DC coils	3	0.21	210	G 1/8	10/2	NBR	EAV-211-A30-1/8BK-00	605031	o. r.
	3	0.21	210	G 1/8	10/2	FKM	EAV-211-A30-1/8FK-00	605032	o. r.
	3	0.21	210	G 1/4	10/2	NBR	EAV-211-A30-1/4BK-00	605033	o. r.
	3	0.21	210	G 1/4	10/2	FKM	EAV-211-A30-1/4FK-00	605034	o. r.
	1.2	0.05	50	M5	40/12.5	NBR	EAV-213-A12-M05BK-00	605051	o. r.
	1.2	0.05	50	M5	40/12.5	FKM	EAV-213-A12-M05FK-00	605052	o. r.
	1.2	0.05	50	G 1/8	40/12.5	NBR	EAV-213-A12-1/8BK-00	605053	o. r.
	1.2	0.05	50	G 1/8	40/12.5	FKM	EAV-213-A12-1/8FK-00	605054	o. r.
	1.5	0.06	68	M5	32/6	NBR	EAV-213-A15-M05BK-00	605057	o. r.
	1.5	0.06	68	M5	32/6	FKM	EAV-213-A15-M05FK-00	605058	o. r.
	1.5	0.06	68	G 1/8	32/6	NBR	EAV-213-A15-1/8BK-00	605059	o. r.
	1.5	0.06	68	G 1/8	32/6	FKM	EAV-213-A15-1/8FK-00	605060	o. r.
	1.8	0.11	125	M5	25/5	NBR	EAV-213-A18-M05BK-00	605063	o. r.
	1.8	0.11	125	M5	25/5	FKM	EAV-213-A18-M05FK-00	605064	o. r.
	1.8	0.11	125	G 1/8	25/5	NBR	EAV-213-A18-1/8BK-00	605065	o. r.
	1.8	0.11	125	G 1/8	25/5	FKM	EAV-213-A18-1/8FK-00	605066	o. r.
	2	0.12	145	M5	16/4	NBR	EAV-213-A20-M05BK-00	605069	o. r.
	2	0.12	145	M5	16/4	FKM	EAV-213-A20-M05FK-00	605070	o. r.
	2	0.12	145	G 1/8	16/4	NBR	EAV-213-A20-1/8BK-00	605071	o. r.
	2	0.12	145	G 1/8	16/4	FKM	EAV-213-A20-1/8FK-00	605072	o. r.
	2	0.12	145	G 1/4	16/4	NBR	EAV-213-A20-1/4BK-00	605073	o. r.
	2	0.12	145	G 1/4	16/4	FKM	EAV-213-A20-1/4FK-00	605074	o. r.
	2.2	0.13	165	M5	16/3	NBR	EAV-213-A22-M05BK-00	605075	o. r.
	2.2	0.13	165	M5	16/3	FKM	EAV-213-A22-M05FK-00	605076	o. r.
	2.2	0.13	165	G 1/8	16/3	NBR	EAV-213-A22-1/8BK-00	605077	o. r.
	2.2	0.13	165	G 1/8	16/3	FKM	EAV-213-A22-1/8FK-00	605078	o. r.
	2.2	0.13	165	G 1/4	16/3	NBR	EAV-213-A22-1/4BK-00	605079	o. r.
	2.2	0.13	165	G 1/4	16/3	FKM	EAV-213-A22-1/4FK-00	605080	o. r.
with manual override for all AC and DC coils	3	0.21	210	G 1/8	10/2	NBR	EAV-213-A30-1/8BK-00	605081	o. r.
	3	0.21	210	G 1/8	10/2	FKM	EAV-213-A30-1/8FK-00	605082	o. r.
	3	0.21	210	G 1/4	10/2	NBR	EAV-213-A30-1/4BK-00	605083	o. r.
	3	0.21	210	G 1/4	10/2	FKM	EAV-213-A30-1/4FK-00	605084	o. r.
	1.5	0.06	68	M5	12.5/6	NBR	EAV-221-A15-M05BK-00	605207	o. r.
	1.5	0.06	68	M5	12.5/6	FKM	EAV-221-A15-M05FK-00	605208	o. r.
	1.5	0.06	68	G 1/8	12.5/6	NBR	EAV-221-A15-1/8BK-00	605209	o. r.
	1.5	0.06	68	G 1/8	12.5/6	FKM	EAV-221-A15-1/8FK-00	605210	o. r.
	2	0.12	145	G 1/8	12.5/4	NBR	EAV-221-A20-1/8BK-00	605221	o. r.
	2	0.12	145	G 1/8	12.5/4	FKM	EAV-221-A20-1/8FK-00	605222	o. r.
	2	0.12	145	G 1/4	12.5/4	NBR	EAV-221-A20-1/4BK-00	605223	o. r.
	2	0.12	145	G 1/4	12.5/4	FKM	EAV-221-A20-1/4FK-00	605224	o. r.
	3	0.21	210	G 1/8	10/2	NBR	EAV-221-A30-1/8BK-00	605231	o. r.
	3	0.21	210	G 1/8	10/2	FKM	EAV-221-A30-1/8FK-00	605232	o. r.
	3	0.21	210	G 1/4	10/2	NBR	EAV-221-A30-1/4BK-00	605233	o. r.
	3	0.21	210	G 1/4	10/2	FKM	EAV-221-A30-1/4FK-00	605234	o. r.

Illustration


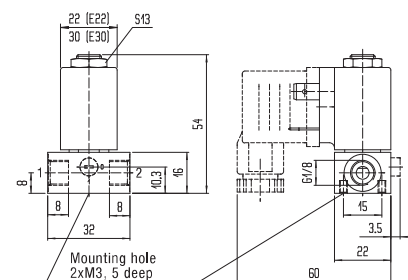
Normal position



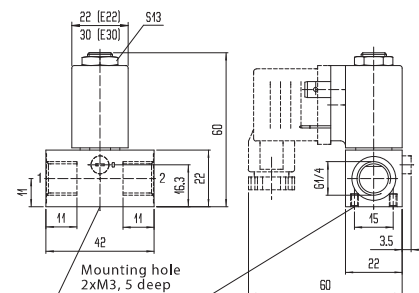
Operational position



Version with M5 Ports



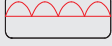
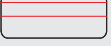
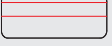
Version with G 1/8 Port



Version with G 1/4 Port

Permitted Operating Pressure for 2/2-Way Solenoid Valve - Type EAV Series 200

"A" normally closed NC

DN	Type	PN	Combinable solenoid coils			Permitted operating pressure [bar] at ambient temperature +60 °C															
			Type	Nominal power P ₂₀			AC 50 Hz  90 %U _N Medium temperature			AC 60 Hz  90 %U _N Medium temperature			DC  90 %U _N Medium temperature			DC  90 %U _N Medium temperature			DC  100 %U _N Medium temperature		
				AC 50 Hz [VA]	AC 60 Hz [VA]	DC [W]															
							60 °C	90 °C	130 °C	60 °C	90 °C	130 °C	60 °C	90 °C	130 °C	60 °C	90 °C	130 °C	60 °C	90 °C	130 °C
1.2	EAV-211-A12..	40/16	E22...L.	3.5	on req.	2.5	16	13	12	16	13	12	15	10	9	8	6	4	9	8	7
			E22...M.	5.5	5	5	40	35	30	40	35	30	30	25	20	20	18	15	23	21	20
			E22...H.	-	-	8	-	-	-	-	-	-	40	35	30	30	25	20	38	32	28
			E30...P.	12	10.5	8	40	35	30	40	35	30	40	35	30	40	35	30	40	35	30
	EAV-213-A12..	40/12.5	E22...L.	-	-	2.5	-	-	-	-	-	-	15	10	9	8	6	4	9	9	7
			E22...M.	-	-	5	-	-	-	-	-	-	30	25	20	20	18	15	25	22	20
			E22...H.	-	-	8	-	-	-	-	-	-	40	35	30	30	25	20	38	32	28
			E30...P.	-	-	8	-	-	-	-	-	-	40	35	30	40	35	30	40	35	30
1.5	EAV-211-A15..	32/6	E22...L.	3.5	on req.	2.5	7	on req.	on req.	7	on req.	on req.	6	5	4	4	3	2	6	5	4
			E22...M.	5.5	5	5	28	26	24	28	26	24	18	16	14	12	10	8	15	13	12
			E22...H.	-	-	8	-	-	-	-	-	-	25	20	18	17	13	10	20	18	16
			E30...P.	12	10.5	8	35	32	28	28	25	20	32	28	22	28	25	21	30	28	26
	EAV-213-A15..	32/6	E22...L.	-	-	2.5	-	-	-	-	-	-	7	5	4	4	3	2	6	5	4
			E22...M.	-	-	5	-	-	-	-	-	-	18	16	14	12	10	8	16	14	13
			E22...H.	-	-	8	-	-	-	-	-	-	25	20	18	17	13	10	20	18	15
			E30...P.	-	-	8	-	-	-	-	-	-	35	30	25	28	25	21	30	28	26
	EAV-221-A15..	12.5/6	E22...L.	3.5	on req.	2.5	7	*	*	7	*	*	6	*	*	4	*	*	6	*	*
			E22...M.	5.5	5	5	12.5	*	*	12.5	*	*	12.5	*	*	12	*	*	12.5	*	*
			E22...H.	-	-	8	-	*	*	-	*	*	12.5	*	*	12.5	*	*	12.5	*	*
			E30...P.	12	10.5	8	12.5	*	*	12.5	*	*	12.5	*	*	12.5	*	*	12.5	*	*
1.8	EAV-211-A18..	32/6	E22...L.	3.5	on req.	2.5	6	on req.	on req.	6	on req.	on req.	5	4	3	3.5	2	1.5	5	4	3
			E22...M.	5.5	5	5	20	19	18	20	18	17	12	10	8	8	7	6	12	10	9
			E22...H.	-	-	8	-	-	-	-	-	-	19	17	14	13	10	8	16	14	10
			E30...P.	12	10.5	8	30	25	22	20	18	16	24	22	18	23	21	18	25	23	22
	EAV-213-A18..	25/5	E22...L.	-	-	2.5	-	-	-	-	-	-	5	4	3	3.5	2	1.5	5	4	3
			E22...M.	-	-	5	-	-	-	-	-	-	12	10	8	8	7	6	12	10	9
			E22...H.	-	-	8	-	-	-	-	-	-	19	17	14	13	10	8	15	14	10
			E30...P.	-	-	8	-	-	-	-	-	-	28	25	21	20	18	15	24	22	18
2	EAV-211-A20..	16/4	E22...L.	3.5	on req.	2.5	4	on req.	on req.	4	on req.	on req.	4	3	2.5	2.5	1.5	1.1	3	2.5	2
			E22...M.	5.5	5	5	15	14	13	15	14	13	11	8	7	6	5	4.5	8	7	6
			E22...H.	-	-	8	-	-	-	-	-	-	16	14	11	9	8	7	12	10	8
			E30...P.	12	10.5	8	25	23	20	17	14	11	17	14	12	17	15	14	20	18	16
	EAV-213-A20..	16/4	E22...L.	-	-	2.5	-	-	-	-	-	-	4	3	2.5	2.5	1.5	1	3	2.5	2
			E22...M.	-	-	5	-	-	-	-	-	-	11	8	7	6	5	4.5	8	7	6
			E22...H.	-	-	8	-	-	-	-	-	-	16	14	11	10	8	7	12	10	8
			E30...P.	-	-	8	-	-	-	-	-	-	18	15	13	17	15	14	20	18	16
	EAV-221-A20..	12.5/4	E22...L.	3.5	on req.	2.5	4	*	*	4	*	*	4	*	*	2.5	*	*	3	*	*
			E22...M.	5.5	5	5	12.5	*	*	12.5	*	*	11	*	*	6	*	*	8	*	*
			E22...H.	-	-	8	-	*	*	-	*	*	12.5	*	*	9	*	*	12	*	*
			E30...P.	12	10.5	8	12.5	*	*	12.5	*	*	12.5	*	*	12.5	*	*	12.5	*	*
2.2	EAV-211-A22..	16/3	E22...L.	3.5	on req.	2.5	3.5	3	2.5	3.5	on req.	on req.	3	2.5	2	1.5	1	0.8	2.5	2	1
			E22...M.	5.5	5	5	14	13	12	14	13	12	4	3.5	3	3	2.5	2	3.5	3	2.5
			E22...H.	-	-	8	-	-	-	-	-	-	13	11	8	7	5	4	9	7.5	6
			E30...P.	12	10.5	8	16	14	13	16	14	13	16	13	11	13	12	11	16	14	12
	EAV-213-A22..	16/3	E22...L.	-	-	2.5	-	-	-	-	-	-	3	2.5	2	1.5	1	0.8	2	1.5	1
			E22...M.	-	-	5	-	-	-	-	-	-	4	3.5	3	3	2.5	2	3.5	3	2.5
			E22...H.	-	-	8	-	-	-	-	-	-	13	11	8	7	5.5	4	9	7	6
			E30...P.	-	-	8	-	-	-	-	-	-	16	13	11	13	12	11	16	14	12
3	EAV-211-A30..	10/2	E22...L.	3.5	on req.	2.5	2	on req.	on req.	2	on req.	on req.	2	1.5	1.2	1.2	0.8	0.6	2.1	1.5	0.8
			E22...M.	5.5	5	5	8	7	6	8	7	6	3.5	3	2.8	2.5	2	1.5	3	2.5	2
			E22...H.	-	-	8	-	-	-	-	-	-	9	7	6	5	4	3	6	5	4
			E30...P.	12	10.5	8	12	9	7	11	8	7	11	9	7	9	7	6	10	9	8
	EAV-213-A30..	10/2	E22...L.	-	-	2.5	-	-	-	-	-	-	2	1.5	1.2	1.2	0.9	0.7	1.8	1.4	0.8
			E22...M.	-	-	5	-	-	-	-	-	-	3.5	3	2.8	2.5	2	1.5	3	2.5	2
			E22...H.	-	-	8	-	-	-	-	-	-	9	7	6	5	4	3	6	5	4
			E30...P.	-	-	8	-	-	-	-	-	-	11	9	7	9	7	6	10	9	8
	EAV-221-A30..	10/2	E22...L.	3.5	on req.	2.5	2	*	*	2	*	*	2	*	*	1.2	*	*	2	*	*
			E22...M.	5.5	5	5	8	*	*	8	*	*	3.5	*	*	2.5	*	*	2.5	*	*
			E22...H.	-	-	8	-	*	*	-	*	*	9	*	*	5	*	*	6	*	*
			E30...P.	12	10.5	8	12	*	*	11	*	*	11	*	*	9	*	*	10	*	*

* Solenoid valves with manual override can only be used at medium temperatures up to max. 60 °C.

2/2-Way Solenoid Valve - Type EAV Series 200

Price group **51**

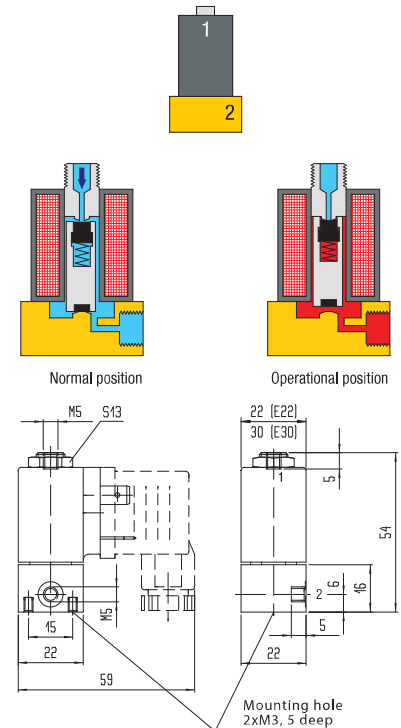
"B" normally open

Permitted operating pressure table below

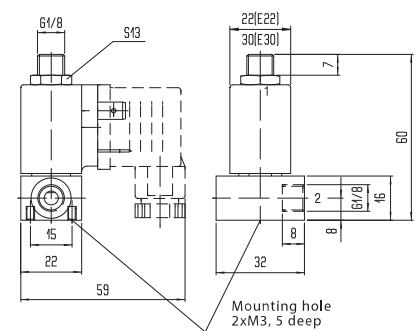
Brass

Version	DN	Kv-value water [m³/h]	QnN-value air [l/min]	G	PN	Sealing material	Type	Order number	Price
without manual override for AC and DC not for L-coils	1.2	0.05	48	M5	16	NBR	EAV-211-B12-M05B-00	605401	o. r.
	1.2	0.05	48	M5	16	FKM	EAV-211-B12-M05F-00	605402	o. r.
	1.2	0.05	48	G 1/8	16	NBR	EAV-211-B12-1/8B-00	605403	o. r.
	1.2	0.05	48	G 1/8	16	FKM	EAV-211-B12-1/8F-00	605404	o. r.
	1.5	0.06	65	M5	10	NBR	EAV-211-B15-M05B-00	605407	o. r.
	1.5	0.06	65	M5	10	FKM	EAV-211-B15-M05F-00	605408	o. r.
	1.5	0.06	65	G 1/8	10	NBR	EAV-211-B15-1/8B-00	605409	o. r.
	1.5	0.06	65	G 1/8	10	FKM	EAV-211-B15-1/8F-00	605410	o. r.
	1.8	0.1	110	M5	8	NBR	EAV-211-B18-M05B-00	605413	o. r.
	1.8	0.1	110	M5	8	FKM	EAV-211-B18-M05F-00	605414	o. r.
	1.8	0.1	110	G 1/8	8	NBR	EAV-211-B18-1/8B-00	605415	o. r.
	1.8	0.1	110	G 1/8	8	FKM	EAV-211-B18-1/8F-00	605416	o. r.
without manual override for DC not for L-coils	1.2	0.05	48	M5	16	NBR	EAV-213-B12-M05B-00	605426	o. r.
	1.2	0.05	48	M5	16	FKM	EAV-213-B12-M05F-00	605427	o. r.
	1.2	0.05	48	G 1/8	16	NBR	EAV-213-B12-1/8B-00	605428	o. r.
	1.2	0.05	48	G 1/8	16	FKM	EAV-213-B12-1/8F-00	605429	o. r.
	1.5	0.06	65	M5	10	NBR	EAV-213-B15-M05B-00	605432	o. r.
	1.5	0.06	65	M5	10	FKM	EAV-213-B15-M05F-00	605433	o. r.
	1.5	0.06	65	G 1/8	10	NBR	EAV-213-B15-1/8B-00	605434	o. r.
	1.5	0.06	65	G 1/8	10	FKM	EAV-213-B15-1/8F-00	605435	o. r.
	1.8	0.1	110	M5	8	NBR	EAV-213-B18-M05B-00	605438	o. r.
	1.8	0.1	110	M5	8	FKM	EAV-213-B18-M05F-00	605439	o. r.
	1.8	0.1	110	G 1/8	8	NBR	EAV-213-B18-1/8B-00	605440	o. r.
	1.8	0.1	110	G 1/8	8	FKM	EAV-213-B18-1/8F-00	605441	o. r.

Illustration



Version with M 5 Ports



Version with G 1/8 Ports

Permitted Excess Operating Pressure OP for 2/2-Way Solenoid Valve - Type EAV Series 200

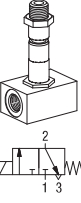
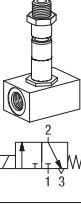
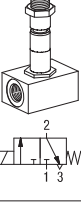
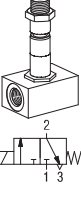
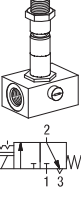
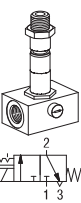
DN	Type	PN	Combinable solenoid coils				Permitted operating pressure [bar] at ambient temperature +60 °C															
			Type	Nominal power P ₂₀			AC 50 Hz 			AC 60 Hz 			DC 			DC 			DC 			
				AC 50 Hz [VA]	AC 60 Hz [VA]	DC [W]	90 %U _N Medium temperature			90 %U _N Medium temperature			90 %U _N Medium temperature			90 %U _N Medium temperature			100 %U _N Medium temperature			
				60 °C	90 °C	130 °C	60 °C	90 °C	130 °C	60 °C	90 °C	130 °C	60 °C	90 °C	130 °C	60 °C	90 °C	130 °C	60 °C	90 °C	130 °C	
1.2	EAV-211-B12..	16	E22...M.	5.5	5	5	16	16	16	16	16	16	16	16	16	16	14	13	16	16	16	
			E22...H.	-	-	8	-	-	-	-	-	-	-	16	16	16	16	16	16	16	16	16
			E30...P.	12	10.5	8	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
	EAV-213-B12..	16	E22...M.	-	-	5	-	-	-	-	-	-	16	16	16	16	16	16	16	16	16	
			E22...H.	-	-	8	-	-	-	-	-	-	16	16	16	16	16	16	16	16	16	16
			E30...P.	-	-	8	-	-	-	-	-	-	16	16	16	16	16	16	16	16	16	16
1.5	EAV-211-B15..	10	E22...M.	5.5	5	5	10	10	10	10	10	10	10	10	10	10	10	9	10	10	10	
			E22...H.	-	-	8	-	-	-	-	-	-	10	10	10	10	10	10	10	10	10	10
			E30...P.	12	10.5	8	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
	EAV-213-B15..	10	E22...M.	-	-	5	-	-	-	-	-	-	10	10	10	10	10	9	10	10	10	
			E22...H.	-	-	8	-	-	-	-	-	-	10	10	10	10	10	10	10	10	10	10
			E30...P.	-	-	8	-	-	-	-	-	-	10	10	10	10	10	10	10	10	10	10
1.8	EAV-211-B18..	8	E22...M.	5.5	5	5	8	8	8	8	8	8	8	8	8	7	7	8	8	8	8	
			E22...H.	-	-	8	-	-	-	-	-	-	8	8	8	8	8	8	8	8	8	8
			E30...P.	12	10.5	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
	EAV-213-B18..	8	E22...M.	-	-	5	-	-	-	-	-	-	8	8	8	7	7	8	8	8	8	
			E22...H.	-	-	8	-	-	-	-	-	-	8	8	8	8	8	8	8	8	8	8
			E30...P.	-	-	8	-	-	-	-	-	-	8	8	8	8	8	8	8	8	8	8

3/2-Way Solenoid Valve - Type EAV Series 200

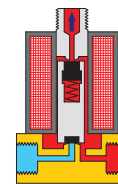
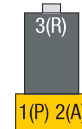
Price group **51**

“C” in 0-position “1” closed, “2” after “3” discharged

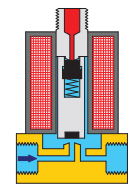
Brass

Version	DN	Kv-value Water [m ³ /h]	Q _{Nn} -value air [l/min]	G	PN	Sealing material	Type	Order number	Price
without manual override for AC and DC not for L-coils 	1.2	1 > 2 0.05	1 > 2 50	M 5	12.5	NBR	EAV-211-C12-M05B-00	606001	o. r.
				M 5	12.5	FKM	EAV-211-C12-M05F-00	606002	o. r.
		2 > 3 0.06	2 > 3 65	G 1/8	12.5	NBR	EAV-211-C12- 1/8B-00	606003	o. r.
				G 1/8	12.5	FKM	EAV-211-C12- 1/8F-00	606004	o. r.
	1.5	1 > 2 0.06	1 > 2 68	M 5	10	NBR	EAV-211-C15-M05B-00	606007	o. r.
				M 5	10	FKM	EAV-211-C15-M05F-00	606008	o. r.
		2 > 3 0.10	2 > 3 115	G 1/8	10	NBR	EAV-211-C15-1/8B-00	606009	o. r.
				G 1/8	10	FKM	EAV-211-C15- 1/8F-00	606010	o. r.
without manual override for all AC and DC coils 	1.2	1 > 2 0.05	1 > 2 50	M 5	10	NBR	EAV-215-C12-M05B-00	606051	o. r.
				M 5	10	FKM	EAV-215-C12-M05F-00	606052	o. r.
		2 > 3 0.06	2 > 3 65	G 1/8	10	NBR	EAV-215-C12-1/8B-00	606053	o. r.
				G 1/8	10	FKM	EAV-215-C12-1/8F-00	606054	o. r.
	1.5	1 > 2 0.06	1 > 2 68	M 5	8	NBR	EAV-215-C15-M05B-00	606057	o. r.
				M 5	8	FKM	EAV-215-C15-M05F-00	606058	o. r.
		2 > 3 0.10	2 > 3 115	G 1/8	8	NBR	EAV-215-C15-1/8B-00	606059	o. r.
				G 1/8	8	FKM	EAV-215-C15-1/8F-00	606060	o. r.
without manual override for DC not for L-coils 	1.2	1 > 2 0.05	1 > 2 50	M 5	12.5	NBR	EAV-213-C12-M05B-00	606026	o. r.
				M 5	12.5	FKM	EAV-213-C12-M05F-00	606027	o. r.
		2 > 3 0.06	2 > 3 65	G 1/8	12.5	NBR	EAV-213-C12-1/8B-00	606028	o. r.
				G 1/8	12.5	FKM	EAV-213-C12-1/8F-00	606029	o. r.
	1.5	1 > 2 0.06	1 > 2 68	M 5	10	NBR	EAV-213-C15-M05B-00	606032	o. r.
				M 5	10	FKM	EAV-213-C15-M05F-00	606033	o. r.
		2 > 3 0.10	2 > 3 115	G 1/8	10	NBR	EAV-213-C15-1/8B-00	606034	o. r.
				G 1/8	10	FKM	EAV-213-C15-1/8F-00	606035	o. r.
without manual override for all DC coils 	1.2	1 > 2 0.05	1 > 2 50	M 5	10	NBR	EAV-217-C12-M05B-00	606076	o. r.
				M 5	10	FKM	EAV-217-C12-M05F-00	606077	o. r.
		2 > 3 0.06	2 > 3 65	G 1/8	10	NBR	EAV-217-C12- 1/8B -00	606078	o. r.
				G 1/8	10	FKM	EAV-217-C12- 1/8F -00	606079	o. r.
	1.5	1 > 2 0.06	1 > 2 68	M 5	10	NBR	EAV-217-C15-M05B-00	606082	o. r.
				M 5	8	FKM	EAV-217-C15-M05F-00	606083	o. r.
		2 > 3 0.10	2 > 3 115	G 1/8	8	NBR	EAV-217-C15-1/8B-00	606084	o. r.
				G 1/8	8	FKM	EAV-217-C15-1/8F-00	606085	o. r.
with manual override for AC and DC not for L-coils 	1.2	1 > 2 0.05	1 > 2 50	M 5	12.5	NBR	EAV-221-C12-M05B-00	606151	o. r.
				M 5	12.5	FKM	EAV-221-C12-M05F-00	606152	o. r.
		2 > 3 0.06	2 > 3 65	G 1/8	12.5	NBR	EAV-221-C12-1/8B-00	606153	o. r.
				G 1/8	12.5	FKM	EAV-221-C12-1/8F-00	606154	o. r.
	1.5	1 > 2 0.06	1 > 2 68	M 5	10	NBR	EAV-221-C15-M05B-00	606157	o. r.
				M 5	10	FKM	EAV-221-C15-M05F-00	606158	o. r.
		2 > 3 0.10	2 > 3 115	G 1/8	10	NBR	EAV-221-C15-1/8B-00	606159	o. r.
				G 1/8	10	FKM	EAV-221-C15-1/8F-00	606160	o. r.
with manual override for all AC and DC coils 	1.2	1 > 2 0.05	1 > 2 50	M 5	10	NBR	EAV-225-C12-M05B-00	606201	o. r.
				M 5	10	FKM	EAV-225-C12-M05F-00	606202	o. r.
		2 > 3 0.06	2 > 3 65	G 1/8	10	NBR	EAV-225-C12-1/8B-00	606203	o. r.
				G 1/8	10	FKM	EAV-225-C12-1/8F-00	606204	o. r.
	1.5	1 > 2 0.06	1 > 2 68	M 5	8	NBR	EAV-225-C15-M05B-00	606207	o. r.
				M 5	8	FKM	EAV-225-C15-M05F-00	606208	o. r.
		2 > 3 0.10	2 > 3 115	G 1/8	8	NBR	EAV-225-C15-1/8B-00	606209	o. r.
				G 1/8	8	FKM	EAV-225-C15-1/8F-00	606210	o. r.

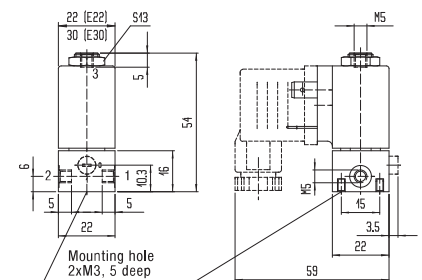
Illustration



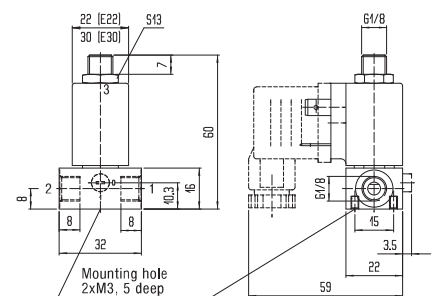
Normal position



Operational position



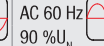
Version with M5 Ports



Version with G 1/8 Ports

Permitted Operating Pressure for 3/2-Way Solenoid Valve - Type EAV Series 200

“C” in 0-position “1” closed, “2” after “3” discharged

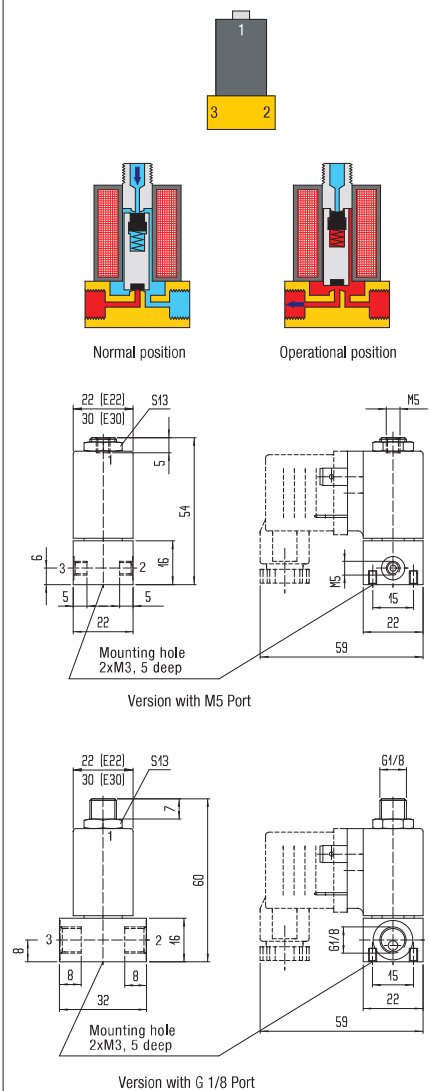
DN	Type	PN	Combinable solenoid coils				Permitted operating pressure [bar] at ambient temperature +60 °C														
			Type	Nominal power P ₂₀			AC 50 Hz  90 %U _N Medium temperature			AC 60 Hz  90 %U _N Medium temperature			DC  90 %U _N Medium temperature			DC  90 %U _N Medium temperature			DC  100 %U _N Medium temperature		
				AC 50 Hz [VA]	AC 60 Hz [VA]	DC [W]	60 °C	90 °C	130 °C	60 °C	90 °C	130 °C	60 °C	90 °C	130 °C	60 °C	90 °C	130 °C	60 °C	90 °C	130 °C
1.2	EAV-211-C12..	12.5	E22...M.	5,5	5	5	12,5	12,5	12,5	12,5	12,5	12,5	12,5	12,5	12,5	12,5	12,5	12,5	12,5	12,5	12,5
			E22...H.	-	-	8	-	-	-	-	-	-	12,5	12,5	12,5	12,5	12,5	12,5	12,5	12,5	12,5
			E30...P.	12	10,5	8	12,5	12,5	12,5	12,5	12,5	12,5	12,5	12,5	12,5	12,5	12,5	12,5	12,5	12,5	12,5
	E22...M.	5,5	5	5	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10		
	E22...H.	-	-	8	-	-	-	-	-	-	10	10	10	10	10	10	10	10	10		
	E30...P.	12	10,5	8	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10		
	E22...H.	-	-	8	-	-	-	-	-	-	12,5	12,5	12,5	12,5	12,5	12,5	12,5	12,5	12,5		
	E30...P.	-	-	8	-	-	-	-	-	-	12,5	12,5	12,5	12,5	12,5	12,5	12,5	12,5	12,5		
	E22...M.	-	-	5	-	-	-	-	-	-	10	10	10	10	10	10	10	10	10		
	E22...H.	-	-	8	-	-	-	-	-	-	10	10	10	10	10	10	10	10	10		
	E30...P.	-	-	8	-	-	-	-	-	-	10	10	10	10	10	10	10	10	10		
	E22...H.	-	-	8	-	-	-	-	-	-	12,5	*	*	12,5	*	*	12,5	*	*		
	E30...P.	12	10,5	8	12,5	*	*	12,5	*	*	12,5	*	*	12,5	*	*	12,5	*	*		
	E22...M.	5,5	5	5	10	*	*	10	*	*	10	*	*	10	*	*	10	*	*		
	E22...H.	-	-	8	-	-	-	-	-	-	10	*	*	10	*	*	10	*	*		
	E30...P.	12	10,5	8	10	*	*	10	*	*	10	*	*	10	*	*	10	*	*		
	E22...H.	-	-	8	-	-	-	-	-	-	10	10	10	10	10	10	10	10	10		
	E30...P.	12	10,5	8	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10		
	E22...M.	5,5	5	5	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8		
	E22...H.	-	-	8	-	-	-	-	-	-	8	8	8	8	8	8	8	8	8		
	E30...P.	12	10,5	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8		
E22...H.	-	-	8	-	-	-	-	-	-	10	10	10	10	10	10	10	10	10			
E30...P.	-	-	8	-	-	-	-	-	-	10	10	10	10	10	10	10	10	10			
E22...M.	-	-	5	-	-	-	-	-	-	8	8	8	8	8	8	8	8	8			
E22...H.	-	-	8	-	-	-	-	-	-	8	8	8	8	8	8	8	8	8			
E30...P.	-	-	8	-	-	-	-	-	-	8	8	8	8	8	8	8	8	8			
E22...H.	-	-	8	-	-	-	-	-	-	10	*	*	10	*	*	10	*	*			
E30...P.	12	10,5	8	10	*	*	10	*	*	10	*	*	10	*	*	10	*	*			
E22...M.	5,5	5	5	8	*	*	8	*	*	8	*	*	8	*	*	8	*	*			
E22...H.	-	-	8	-	*	*	-	*	*	8	*	*	8	*	*	8	*	*			
E30...P.	12	10,5	8	8	*	*	8	*	*	8	*	*	8	*	*	8	*	*			
E22...H.	-	-	8	-	-	-	-	-	-	8	8	8	8	8	8	8	8	8			
E30...P.	12	10,5	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8			
E22...H.	-	-	8	-	-	-	-	-	-	8	8	8	8	8	8	8	8	8			
E30...P.	-	-	8	-	-	-	-	-	-	8	8	8	8	8	8	8	8	8			
E22...H.	-	-	8	-	*	*	-	*	*	8	*	*	8	*	*	8	*	*			
E30...P.	12	10,5	8	8	*	*	8	*	*	8	*	*	8	*	*	8	*	*			

* Solenoid valves with manual override can only be used at medium temperatures up to max. 60 °C. ** Minimum pressure of 2 bar required

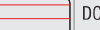
3/2-Way Solenoid Valve Type EAV Series 200

Price group	51	Switching mode "D" in 0 position "1" to "2" open, "3" closed			Permitted operating pressure Table below			Brass		
Version	DN	Kv-value water [m³/h]	Q _{Nn} -value air [l/min]	G	PN	Sealing material	Type	Order number	Price	
without manual override for AC and DC not for L-coils	1.2	1 > 2 0.05 2 > 3 0.06	1 > 2 48 2 > 3 68	M5	16	NBR	EAV-211-D12-M05B-00	606301	o. r.	
				M5	16	FKM	EAV-211-D12-M05F-00	606302	o. r.	
				G 1/8	16	NBR	EAV-211-D12-1/8B-00	606303	o. r.	
				G 1/8	16	FKM	EAV-211-D12-1/8F-00	606304	o. r.	
	1.5	1 > 2 0.06 2 > 3 0.11	1 > 2 68 2 > 3 125	M5	10	NBR	EAV-211-D15-M05B-00	606307	o. r.	
				M5	10	FKM	EAV-211-D15-M05F-00	606308	o. r.	
				G 1/8	10	NBR	EAV-211-D15-1/8B-00	606309	o. r.	
				G 1/8	10	FKM	EAV-211-D15-1/8F-00	606310	o. r.	
	1.8	1 > 2 0.10 2 > 3 0.11	1 > 2 115 2 > 3 125	M5	8	NBR	EAV-211-D18-M05B-00	606313	o. r.	
				M5	8	FKM	EAV-211-D18-M05F-00	606314	o. r.	
				G 1/8	8	NBR	EAV-211-D18-1/8B-00	606315	o. r.	
				G 1/8	8	FKM	EAV-211-D18-1/8F-00	606316	o. r.	
without manual override for DC not for L-coils	1.2	1 > 2 0.05 2 > 3 0.06	1 > 2 48 2 > 3 68	M5	16	NBR	EAV-213-D12-M05B-00	606326	o. r.	
				M5	16	FKM	EAV-213-D12-M05F-00	606327	o. r.	
				G 1/8	16	NBR	EAV-213-D12-1/8B-00	606328	o. r.	
				G 1/8	16	FKM	EAV-213-D12-1/8F-00	606329	o. r.	
	1.5	1 > 2 0.06 2 > 3 0.11	1 > 2 68 2 > 3 125	M5	10	NBR	EAV-213-D15-M05B-00	606332	o. r.	
				M5	10	FKM	EAV-213-D15-M05F-00	606333	o. r.	
				G 1/8	10	NBR	EAV-213-D15-1/8B-00	606334	o. r.	
				G 1/8	10	FKM	EAV-213-D15-1/8F-00	606335	o. r.	
	1.8	1 > 2 0.10 2 > 3 0.11	1 > 2 115 2 > 3 125	M5	8	NBR	EAV-213-D18-M05B-00	606338	o. r.	
				M5	8	FKM	EAV-213-D18-M05F-00	606339	o. r.	
				G 1/8	8	NBR	EAV-213-D18-1/8B-00	606340	o. r.	
				G 1/8	8	FKM	EAV-213-D18-1/8F-00	606341	o. r.	

Illustration



Permitted Excess Operating Pressure OP for 3/2-Way Solenoid Valve - Type EAV Series 200

DN	Type	PN	Combinable solenoid coils				Permitted excess operating pressure OP [bar] at ambient temperature +60 °C														
			Type	Nominal power P ₂₀			AC 50 Hz  90 %U _N Medium temperature			AC 60 Hz  90 %U _N Medium temperature			DC  90 %U _N Medium temperature			DC  90 %U _N Medium temperature			DC  100 %U _N Medium temperature		
				AC 50 Hz [VA]	AC 60 Hz [VA]	DC [W]	60 °C 90 °C 130 °C			60 °C 90 °C 130 °C			60 °C 90 °C 130 °C			60 °C 90 °C 130 °C			60 °C 90 °C 130 °C		
1.2	EAV-211-D12..	16	E22...M.	5,5	5	5	16	16	16	16	16	16	16	16	16	16	14	13	16	16	16
			E22...H.	-	-	8	-	-	-	-	-	-	16	16	16	16	16	16	16	16	16
			E30...P.	12	10,5	8	16	16	16	16	16	16	16	16	16	16	16	16	16	16	16
	EAV-213-D12..	16	E22...M.	-	-	5	-	-	-	-	-	-	16	16	16	16	16	16	16	16	16
			E22...H.	-	-	8	-	-	-	-	-	-	16	16	16	16	16	16	16	16	16
			E30...P.	-	-	8	-	-	-	-	-	-	16	16	16	16	16	16	16	16	16
1.5	EAV-211-D15..	10	E22...M.	5,5	5	5	10	10	10	10	10	10	10	10	10	10	9	10	10	10	
			E22...H.	-	-	8	-	-	-	-	-	-	10	10	10	10	10	10	10	10	10
			E30...P.	12	10,5	8	10	10	10	10	10	10	10	10	10	10	10	10	10	10	10
	EAV-213-D15..	10	E22...M.	-	-	5	-	-	-	-	-	-	10	10	10	10	10	9	10	10	10
			E22...H.	-	-	8	-	-	-	-	-	-	10	10	10	10	10	10	10	10	10
			E30...P.	-	-	8	-	-	-	-	-	-	10	10	10	10	10	10	10	10	10
1.8	EAV-211-D18..	8	E22...M.	5,5	5	5	8	8	8	8	8	8	8	8	7	7	8	8	8	8	
			E22...H.	-	-	8	-	-	-	-	-	-	8	8	8	8	8	8	8	8	8
			E30...P.	12	10,5	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8	8
	EAV-213-D18..	8	E22...M.	-	-	5	-	-	-	-	-	-	8	8	8	7	7	8	8	8	8
			E22...H.	-	-	8	-	-	-	-	-	-	8	8	8	8	8	8	8	8	8
			E30...P.	-	-	8	-	-	-	-	-	-	8	8	8	8	8	8	8	8	8

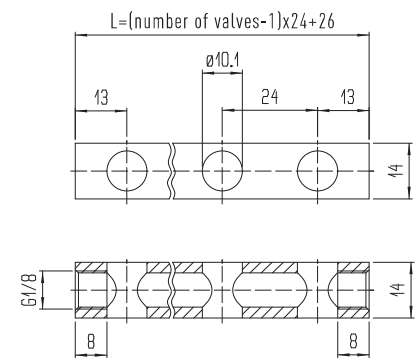
Power Bar Type ZAV Series 100 to Solenoid Valve EAV Series 200

Price group **51**

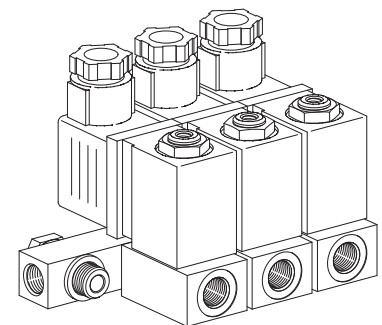
Brass

Manifold version	G	Type	order number	Price
2-fold	G 1/8	ZAV-100/02-1/8	500192	o. r.
3-fold	G 1/8	ZAV-100/03-1/8	500193	o. r.
4-fold	G 1/8	ZAV-100/04-1/8	500194	o. r.
5-fold	G 1/8	ZAV-100/05-1/8	500195	o. r.
6-fold	G 1/8	ZAV-100/06-1/8	500196	o. r.
7-fold	G 1/8	ZAV-100/07-1/8	500197	o. r.
8-fold	G 1/8	ZAV-100/08-1/8	500198	o. r.
9-fold	G 1/8	ZAV-100/09-1/8	500199	o. r.
10-fold	G 1/8	ZAV-100/10-1/8	500200	o. r.
11-fold	G 1/8	ZAV-100/11-1/8	500201	o. r.
12-fold	G 1/8	ZAV-100/12-1/8	500202	o. r.
single banjo bolt, short	G 1/8	163M-11-1/8N	304026	o. r.
Plug	G 1/8	261M-1/8	251403	o. r.
Plastic sealing ring		266N-1/8x1.5	252921	o. r.

Illustration



Example



Solenoid valve battery EAV

Special Solenoid Valves

AVS Römer also manufactures special versions according to customer requirements, e.g. multiple solenoid valves

Illustration

