

## ■ Brass solenoid valves

97/23/EC Directive - Risk category I - 2006/95/EC Directive - CW617N brass body - Stainless steel inner parts - NBR membrane / EPDM KTW for ACS valves (EPDM & FKM membrane on request up to 2") - Coil insulation class F - T30 connector (except ESM85) - Max. room temperature : +60°C - PS: 10 bar (5 bar for ESV90 with DC coils).



### ESM 85 - Servo-assisted

Normally closed (opening under tension) - T22 connector - Min. ΔP: 0,3 bar - TS: +80°C.

Ø	bore (mm)	Kv (m³/h)	230V 50Hz	24V 50Hz
			code	code
3/8"	10	1,86	085001	085011
1/2"	12	2,1	085002	085012
3/4"	20	5,7	085003	085013
1"	25	9,6	085004	085014

### ESM 86 - Servo-assisted

Normally closed (opening under tension) - Min. ΔP: 0,3 bar - TS: +80°C (+90°C for ACS valves).

Ø	bore (mm)	Kv (m³/h)	230V 50Hz	24V 50Hz	48V 50Hz	12V DC	24V DC	ACS certified	
			code	code	code	code	code	code	code
3/8"	10	1,86	086001	086011	086031	086041	086051	-	-
1/2"	12	2,1	086002	086012	086032	086042	086052	086502	086512
3/4"	20	5,7	086003	086013	086033	086043	086053	086503	086513
1"	25	9,6	086004	086014	086034	086044	086054	086504	086514
1 1/4"	32	22,0	086005	086015	086035	086045	086055	-	-
1 1/2"	39	27,0	086006	086016	086036	086046	086056	-	-
2"	51	35,0	086007	086017	086037	086047	086057	-	-
2 1/2"	65	63,0	086008	086018	086038	086048	086058	-	-
3"	75	83,0	086009	086019	086039	086049	086059	-	-



### ESM 87 - Servo-assisted

Normally opening (closing under tension) - Min. ΔP: 0,3 bar - TS: +80°C (+90°C for ACS valves).

Ø	bore (mm)	Kv (m³/h)	230V 50Hz	24V 50Hz	48V 50Hz	12V DC	24V DC	ACS certified	
			code	code	code	code	code	code	code
3/8"	10	1,86	087001	087011	087031	087041	087051	-	-
1/2"	12	2,1	087002	087012	087032	087042	087052	087502	087512
3/4"	20	5,7	087003	087013	087033	087043	087053	087503	087513
1"	25	9,6	087004	087014	087034	087044	087054	087504	087514
1 1/4"	32	22,0	087005	087015	087035	087045	087055	-	-
1 1/2"	39	27,0	087006	087016	087036	087046	087056	-	-
2"	51	35,0	087007	087017	087037	087047	087057	-	-
2 1/2"	65	63,0	087008	087018	087038	087048	087058	-	-
3"	75	83,0	087009	087019	087039	087049	087059	-	-



### VSO 84 - Direct acting

Normally closed (opening under tension) - No ΔP required - Horizontal mounting, coil on the top - TS: +80°C (+90°C for ACS valves).

Ø	bore (mm)	Kv (m³/h)	230V 50Hz	24V 50Hz	48V 50Hz	12V DC	24V DC	ACS certified	
			code	code	code	code	code	code	code
3/8"	10	2,2	084001	084011	084031	084041	084051	-	-
1/2"	12	2,2	084002	084012	084032	084042	084052	-	-
3/4"	20	5,5	084003	084013	084033	084043	084053	084503	084513
1"	25	7,5	084004	084014	084034	084044	084054	084504	084514
1 1/4"	32	17,5	084005	084015	084035	084045	084055	-	-
1 1/2"	39	19,0	084006	084016	084036	084046	084056	-	-
2"	51	32,4	084007	084017	084037	084047	084057	-	-



⚠ Please check max. ΔP on datasheet.

### ESV 90 Servo-assisted

Nickel plated brass body - PTFE plug - Normally closed (opening under tension) - Min. ΔP: 1 bar - Horizontal mounting, coil on the top above 1" - TS: +180°C.

Ø	bore (mm)	Kv (m³/h)	230V 50Hz	24V 50Hz	48V 50Hz	24V DC
			code	code	code	code
1/2"	8	1,1	088002	088012	088032	088052
3/4"	21	6,3	088003	088013	088033	088053
1"	21	6,3	088004	088014	088034	088054
1 1/4"	38	20,4	088005	088015	088035	088055
1 1/2"	38	20,4	088006	088016	088036	088056
2"	50	34,8	088007	088017	088037	088057

STEAM

