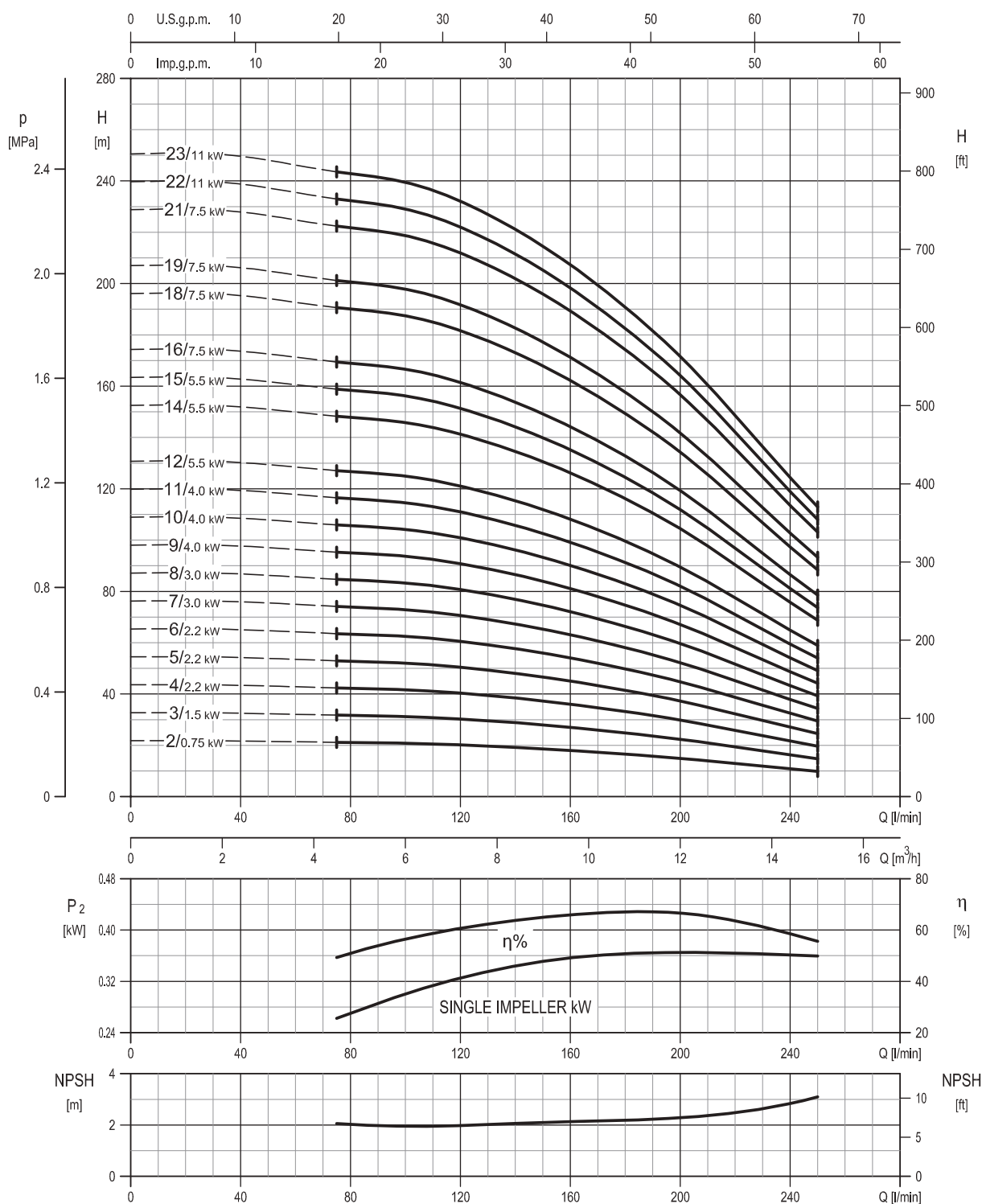


EBARA EVMSG10 TRYCKSTEGRINGSPUMP

PERFORMANCE CURVE EVMSG10

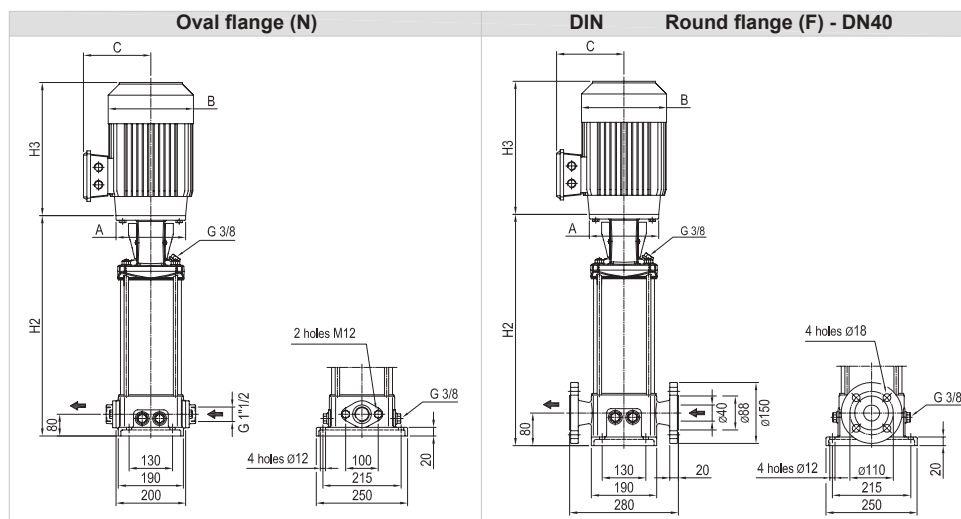


Rotation speed $\approx 2900 \text{ min}^{-1}$
Test standard: ISO 9906:2012 - Grade 3B

EBARA EVMSG10 TRYCKSTEGRINGSPUMP

TECHNICAL DATA EVMSG10

Dimensional sketch



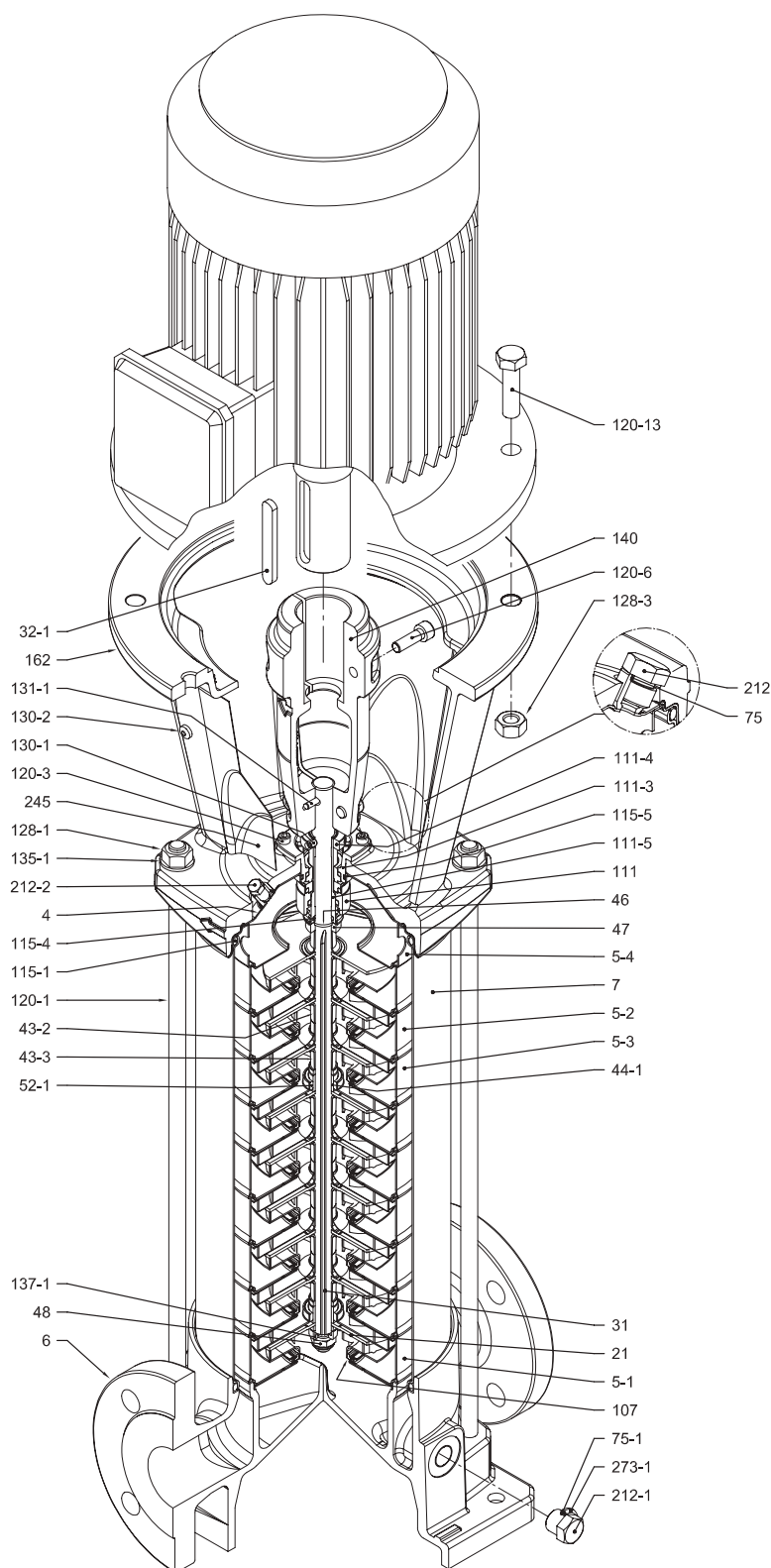
Dimensions [mm] and Weights [Kg]

Pump Type		Pmax [MPa]	Motor									Oval flange (N)				Round flange (F)					
			kW	Size	A	1~			3 ~			H2	Weight Pump		Weight Pump + Motor		H2	Weight Pump		Weight Pump + Motor	
						B	C	H3	B	C	H3		1 ~	3 ~	1 ~	3 ~		1 ~	3 ~		
EVMSG10 2/0.75	1.6	0.75	80	ø120	160	151	232	141	102	233	343	21.6	33	30.1	343	24.3	35.7	32.8			
EVMSG10 3/1.5	1.6	1.5	90	ø140	172	140	278	160	119	291	383	22.5	40.3	36	383	25.3	43.1	38.8			
EVMSG10 4/2.2	1.6	2.2	90	ø140	172	140	278	160	119	291	413	23.3	42.8	38.3	413	26	45.5	41			
EVMSG10 5/2.2	1.6	2.2	90	ø140	172	140	278	160	119	291	443	24.2	43.7	39.2	443	26.9	46.4	41.9			
EVMSG10 6/2.2	1.6	2.2	90	ø140	172	140	278	160	119	291	473	25	44.5	40	473	27.7	47.2	42.7			
EVMSG10 7/3.0	1.6	3.0	100	ø160	-	-	-	176	123	342	513	26	-	48	513	28.7	-	50.7			
EVMSG10 8/3.0	1.6	3.0	100	ø160	-	-	-	176	123	342	543	26.8	-	48.8	543	29.5	-	51.5			
EVMSG10 9/4.0	1.6	4.0	112	ø160	-	-	-	193	138	364	573	27.7	-	56.2	573	30.4	-	58.9			
EVMSG10 10/4.0	1.6	4.0	112	ø160	-	-	-	193	138	364	603	28.5	-	57	603	31.2	-	59.7			
EVMSG10 11/4.0	1.6	4.0	112	ø160	-	-	-	193	138	364	633	30.1	-	58.6	633	32.9	-	61.4			
EVMSG10 12/5.5	1.6	5.5	132	ø300	-	-	-	220	152	399	761	39.9	-	78.9	761	42.7	-	81.7			
EVMSG10 14/5.5	1.6	5.5	132	ø300	-	-	-	220	152	399	821	41.8	-	80.8	821	44.5	-	83.5			
EVMSG10 15/5.5	1.6	5.5	132	ø300	-	-	-	220	152	399	851	42.7	-	81.7	851	45.4	-	84.4			
EVMSG10 16/7.5	2.5	7.5	132	ø300	-	-	-	220	152	419	-	-	-	-	881	46.3	-	92.3			
EVMSG10 18/7.5	2.5	7.5	132	ø300	-	-	-	220	152	419	-	-	-	-	941	47.7	-	93.7			
EVMSG10 19/7.5	2.5	7.5	132	ø300	-	-	-	220	152	419	-	-	-	-	971	49.1	-	95.1			
EVMSG10 21/7.5	2.5	7.5	132	ø300	-	-	-	220	152	419	-	-	-	-	1031	50.9	-	96.9			
EVMSG10 22/11	2.5	11	160	ø350	-	-	-	259	180	440	-	-	-	-	1091	53.2	-	115.7			
EVMSG10 23/11	2.5	11	160	ø350	-	-	-	259	180	440	-	-	-	-	1121	59.9	-	122.4			

1.6 MPa=16 bar ; 2.5 MPa=25 bar
- not available model

EBARA EVMSG10 TRYCKSTEGRINGSPUMP

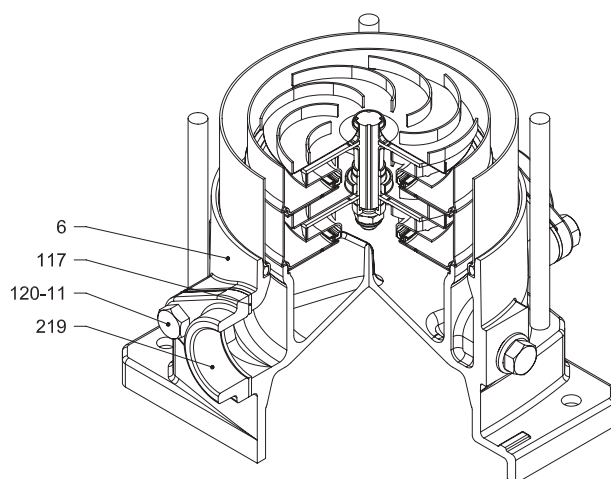
SECTIONAL VIEW EVMSG10



with Round flange (F)

EBARA EVMSG10 TRYCKSTEGRINGSPUMP

PIPE CONNECTION EVMSG10



with Oval flange (N)

EBARA EVMSG10 TRYCKSTEGRINGSPUMP

SECTIONAL TABLE EVMSG10

N°	PART NAME		MATERIAL EVMSG	DIMENSIONS	STANDARD
4	Casing cover		EN 1.4301 (AISI 304)		
5-1	Suction casing		EN 1.4301 (AISI 304)		
5-2	Intermediate Casing		EN 1.4301 (AISI 304)		
5-3	Intermediate casing bearing		EN 1.4301 (AISI 304)		
5-4	Discharge casing		EN 1.4301 (AISI 304)		
6	Bottom casing		Cast Iron EN GJL-250EN1551		
7	Outer casing		EN 1.4301 (AISI 304)		
21	Impeller		EN 1.4301 (AISI 304)		
31	Shaft		EN 1.4301 (AISI 304)		
32-1	Adjuster Key		EN 1.4301 (AISI 304)		
43-2	Shaft sleeve (intermediate)		EN 1.4301 (AISI 304)		
43-3	Shaft sleeve (bearing)		EN 1.4301 (AISI 304)		
44-1	Shaft sleeve bearing		Tungsten carbide		
46	Ring (mechanical seal)		EN 1.4404 (AISI 316L)		
47	Ring Holder		EN 1.4404 (AISI 316L)		
48	Impeller nut		A2-70 UNI 7323 with inox insert	M10	
52-1	Bearing		Tungsten carbide		
75	O-Ring (plug)		EPDM	D. 12.37x2.62	OR 3050
75-1	O-Ring (plug)		EPDM		
107	Liner ring		EN 1.4301 (AISI 304) + PPS		
111	Mechanical Seal		SiC / Carbon / EPDM		
111-3	Mechanical seal seat		EN 1.4301 (AISI 304)		
111-4	Seal holder		EN 1.4301 (AISI 304)		
111-5	Mechanical seal cartridge		EN 1.4301 (AISI 304)		
115-1	O-Ring (outer casing)		EPDM	D. 164.46x5.34	OR 6645
115-4	O-Ring (cartridge sleeve)		EPDM	D. 15.88x2.62	OR 121
115-5	O-Ring (seal cover)		EPDM	D. 37.77x2.62	OR 3150
117	Flange gasket		EPDM		
120-1	Tie-rod		Galvanized steel 6.8 strenght class ISO 898/1	M12	
120-3	Screw		A2-70 UNI 7323	M5x12	ISO 4762
120-6	Screw for coupling	up to 4.0 kW	Galvanized steel	M6x25	ISO 4762
		from 5.5 kw to 7.5 kW		M8x20	ISO 4762
		above 11 kW		M10x30	ISO 4762
120-11	Screw for counterflange		A2-70 UNI 7323		
120-13	Screw for motor	MEC 80	Galvanized steel 8.8 strenght class ISO 898/1	M6x20	ISO 4017
		MEC 90-100-112		M8x20	ISO 4017
		MEC 132		M12x40	UNI 5739
		MEC 160		M16x50	ISO 4017
128-1	Nut for tie rod		Galvanized steel	M12	UNI 5588
128-3	Nut (motor)	MEC 132	Galvanized steel	M12	UNI 5588
		MEC 160		M16	ISO 4032
130-1	Set screw		A2-70 UNI 7323	M5x8	UNI 5923
130-2	Screw for coupling guard		A2-70 UNI 7323	M5x6	UNI 7687
131-1	Pin for shaft		Carbon Steel	D.5x35	UNI 4838
135-1	Washer		Galvanized steel	D. 13x24x2.5	UNI 6592
137-1	Impeller spacer		EN 1.4301 (AISI 304)		
140	Coupling	up to 4.0 kW	Die cast Aluminium EN AB-AISI11Cu2 (Fe)		
		above 5.5 kW	Cast Iron		
162	Motor bracket		Cast iron EN-GJL-200-EN 1561		
212	Plug		EN 1.4301 (AISI 304)	G 3/8	
212-1	Plug		EN 1.4301 (AISI 304)	G 3/8	
212-2	Venting plug		EN 1.4404 (AISI 316L)		
219	Counter flange		Galvanized steel		
245	Coupling guard		EN 1.4301 (AISI 304)		
273-1	Plug Washer		EN 1.4301 (AISI 304)		

EBARA EVMSG10 TRYCKSTEGRINGSPUMP

QUANTITY FOR MODEL EVMSG10

Pump Type	N°																								
	4	5-1	5-2	5-3	5-4	6	7	21	31	32-1	43-2	43-3	44-1	46	47	48	52-1	75	75-1	107	111	111-3	111-4	111-5	115-1
EVMSG10 2/0.75	1	1	/	1	1	1	1	2	1	1	1	1	1	2	1	1	1	1	4	2	1	1	1	1	2
EVMSG10 3/1.5	1	1	1	1	1	1	1	3	1	1	3	1	1	2	1	1	1	1	4	3	1	1	1	1	2
EVMSG10 4/2.2	1	1	2	1	1	1	1	4	1	1	5	1	1	2	1	1	1	1	4	4	1	1	1	1	2
EVMSG10 5/2.2	1	1	3	1	1	1	1	5	1	1	7	1	1	2	1	1	1	1	4	5	1	1	1	1	2
EVMSG10 6/2.2	1	1	4	1	1	1	1	6	1	1	9	1	1	2	1	1	1	1	4	6	1	1	1	1	2
EVMSG10 7/3.0	1	1	5	1	1	1	1	7	1	1	11	1	1	2	1	1	1	1	4	7	1	1	1	1	2
EVMSG10 8/3.0	1	1	6	1	1	1	1	8	1	1	13	1	1	2	1	1	1	1	4	8	1	1	1	1	2
EVMSG10 9/4.0	1	1	7	1	1	1	1	9	1	1	15	1	1	2	1	1	1	1	4	9	1	1	1	1	2
EVMSG10 10/4.0	1	1	8	1	1	1	1	10	1	1	17	1	1	2	1	1	1	1	4	10	1	1	1	1	2
EVMSG10 11/4.0	1	1	9	1	1	1	1	11	1	1	19	1	1	2	1	1	1	1	4	11	1	1	1	1	2
EVMSG10 12/5.5	1	1	9	2	1	1	1	12	1	1	19	2	2	2	1	1	2	1	4	12	1	1	1	1	2
EVMSG10 14/5.5	1	1	11	2	1	1	1	14	1	1	23	2	2	2	1	1	2	1	4	14	1	1	1	1	2
EVMSG10 15/5.5	1	1	12	2	1	1	1	15	1	1	25	2	2	2	1	1	2	1	4	15	1	1	1	1	2
EVMSG10 16/7.5	1	1	13	2	1	1	1	16	1	1	27	2	2	2	1	1	2	1	4	16	1	1	1	1	2
EVMSG10 18/7.5	1	1	15	2	1	1	1	18	1	1	31	2	2	2	1	1	2	1	4	18	1	1	1	1	2
EVMSG10 19/7.5	1	1	16	2	1	1	1	19	1	1	33	2	2	2	1	1	2	1	4	19	1	1	1	1	2
EVMSG10 21/7.5	1	1	18	2	1	1	1	21	1	1	37	2	2	2	1	1	2	1	4	21	1	1	1	1	2
EVMSG10 22/11	1	1	19	2	1	1	1	22	1	1	39	2	2	2	1	1	2	1	4	22	1	1	1	1	2
EVMSG10 23/11	1	1	19	3	1	1	1	23	1	1	39	3	3	2	1	1	3	1	4	23	1	1	1	1	2

Pump Type	N°																			
	117*	120-1	120-3	120-6	120-11*	120-13	128-1	128-3	128-6	130-1	130-2	131-1	135-1	135-6	137-1	140	162	212	212-1	212-2
EVMSG10 2/0.75	2	4	4	4	4	4	4	/	4	3	4	1	4	4	1	2	1	1	4	1
EVMSG10 3/1.5	2	4	4	4	4	4	4	/	4	3	4	1	4	4	1	2	1	1	4	1
EVMSG10 4/2.2	2	4	4	4	4	4	4	/	4	3	4	1	4	4	1	2	1	1	4	1
EVMSG10 5/2.2	2	4	4	4	4	4	4	/	4	3	4	1	4	4	1	2	1	1	4	1
EVMSG10 6/2.2	2	4	4	4	4	4	4	/	4	3	4	1	4	4	1	2	1	1	4	1
EVMSG10 7/3.0	2	4	4	4	4	4	4	/	4	3	4	1	4	4	1	2	1	1	4	1
EVMSG10 8/3.0	2	4	4	4	4	4	4	/	4	3	4	1	4	4	1	2	1	1	4	1
EVMSG10 9/4.0	2	4	4	4	4	4	4	/	4	3	4	1	4	4	1	2	1	1	4	1
EVMSG10 10/4.0	2	4	4	4	4	4	4	/	4	3	4	1	4	4	1	2	1	1	4	1
EVMSG10 11/4.0	2	4	4	4	4	4	4	/	4	3	4	1	4	4	1	2	1	1	4	1
EVMSG10 12/5.5	2	4	4	4	4	4	4	/	3	4	4	1	4	/	1	2	1	1	4	1
EVMSG10 14/5.5	2	4	4	4	4	4	4	/	3	4	4	1	4	/	1	2	1	1	4	1
EVMSG10 15/5.5	2	4	4	4	4	4	4	/	3	4	4	1	4	/	1	2	1	1	4	1
EVMSG10 16/7.5	/	4	4	4	/	4	4	/	3	4	4	1	4	/	1	2	1	1	4	1
EVMSG10 18/7.5	/	4	4	4	/	4	4	/	3	4	4	1	4	/	1	2	1	1	4	1
EVMSG10 19/7.5	/	4	4	4	/	4	4	/	3	4	4	1	4	/	1	2	1	1	4	1
EVMSG10 21/7.5	/	4	4	4	/	4	4	/	3	4	4	1	4	/	1	2	1	1	4	1
EVMSG10 22/11	/	4	4	4	/	4	4	/	3	4	4	1	4	/	1	2	1	1	4	1
EVMSG10 23/11	/	4	4	4	/	4	4	/	3	4	4	1	4	/	1	2	1	1	4	1

* only for Oval flange (N)

128-6 / 135-6: with Aluminium coupling (see drawing pag.211)