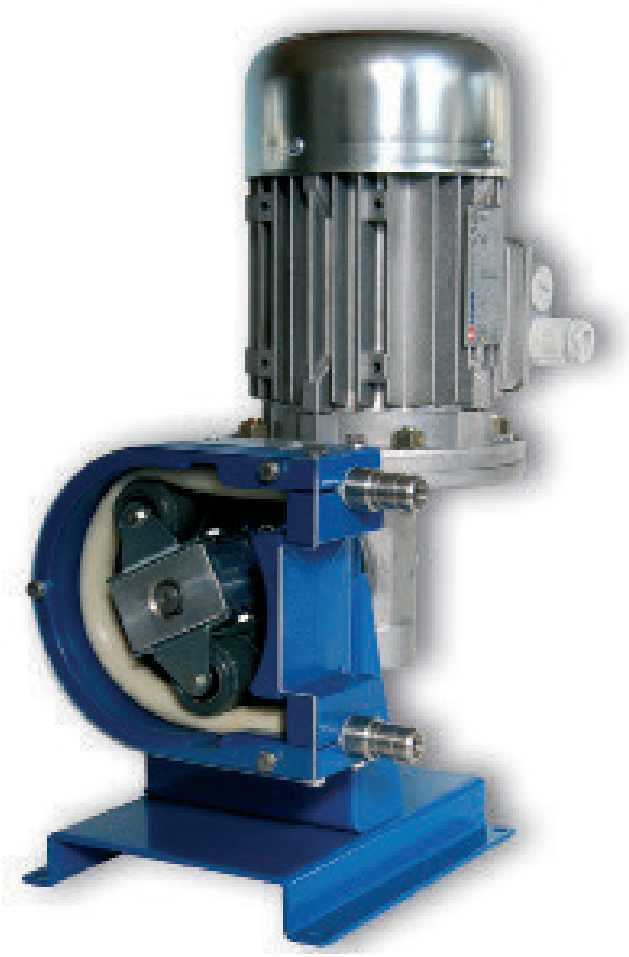
fluimac®
pump solution



HELIOS
PERISTALTIC PUMPS

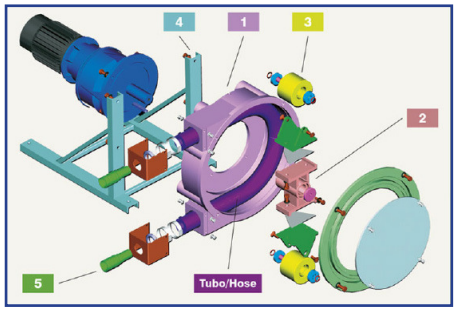
Made in Italy

www.fluimac.com

ENGLISH

HELIOS ASP

Peristaltic pumps
Capacity up to about 25000 l/h - delivery head up to 10 bar
Viscosity up to 60000 cps - Achievable suction up to 8 mts



	Element	Material
1	Pump casing	aluminium alloy
2	Rotor	aluminium alloy
3	Rollers	aluminium nylatron
4	Base	Iron
5	Hose Connector	AISI 304

Special couplings:

Hose Connector in AISI 316, PVC, PTFE

DIN

TRI-CLAMPS

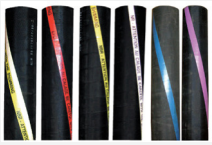
ANSI, ISO, UNI, FLANGES

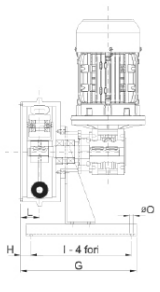
TECHNICAL FEATURES

- No mechanical seal or stuffing box
- Robust
- Suitable for aggressive or viscous fluids
- Damage-free continuous dry running
- Outlet pressures up to 10 bar
- Very easy maintenance

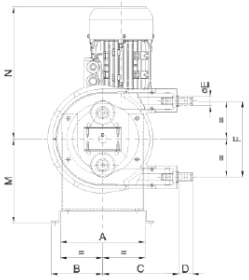
AVAILABLE HOSES MATERIALS

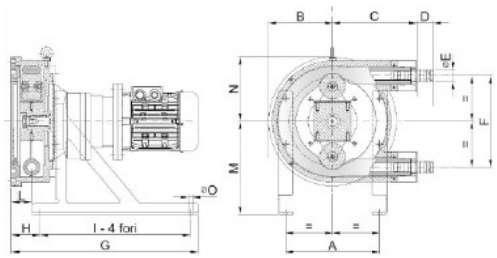
- NR
- NBR
- EPDM
- NBR Food
- NR Food
- Hypalon
- EPDM Food





ASP 10/15





ASP 25/15 - 25 - 32 - 40 - 50 - 65

OVERALL DIMENSIONS

TYPE	A	B	C	D	E	F	G	H	I	L	M	N	øO	Kg.
ASP 10 FX	210	112	166	25	15	167	251	21	220	40	184	260	7	16
ASP 15 FX	210	112	166	30	20	167	251	21	220	40	184	260	7	16
ASP 25/15 FX	250	170	224	25	20	240	495	75	400	52	228 1	70	11	44
ASP 25 FX	250	170	224	25	32	240	495	75	400	52	228	170	11	44
ASP 32 FX	330	217	230	66	40	314	655	114	520	68	300	217	11	80
ASP 40 FX	420	270	340	70	50	398	735	130	580	74	370	270	14	120
ASP 50 FX	420	330	380	80	65	512	833	158	650	88	440	330	14	160
ASP 65 FX	566	440	510	91	80	672	1107	142	930	106	570	440	17	430

TECHNICAL CHARACTERISTICS

TYPE	Q (L/H)	A	P	RPM	I	KW	di	Qu	Nm
ASP 10 FX	47	8	100	23	60	0,18	10	0,034	35
	72	8	80	35	40	0,18			
	96	8	80	47	30	0,37			
	143	8	80	70	20	0,37			
ASP 15 FX	102	8	100	23	60	0,18	15	0,074	35
	155	8	80	35	40	0,18			
	209	8	80	47	30	0,37			
	310	8	80	70	20	0,37			
ASP 25/15 FX	275	8	80	35	40	0,55	15	0,131	40
	354	8	80	45	31,5	0,75			
	440	8	70	56	25	0,75			
	550	8	60	70	20	0,75			
ASP 25 FX	672	8	80	35	40	0,55	25	0,32	40
	864	8	80	45	31,5	0,75			
	1075	8	70	56	25	0,75			
	1344	8	60	70	20	0,75			
ASP 32 FX	1596	8	100	38	37	1,1	32	0,70	75
	1974	8	80	47	30	1,1			
	2436	8	60	58	24	1,1			
	2940	8	40	70	20	1,1			
ASP 40 FX	2040	8	100	25	56	1,5	40	1,36	110
	2938	8	80	36	39	1,5			
	3672	8	60	45	31,5	1,5			
	5712	8	40	70	20	1,5			
ASP 50 FX	4185	8	100	25	56	2,2	50	2,79	200
	6026	8	60	36	39	2,2			
	7533	8	60	45	31,5	3			
	11718	8	40	70	20	3			
ASP 65 FX	8580	8	80	22	63	4	65	6,50	400
	13650	8	60	35	40	5,5			
	15500	8	60	45	31,5	7,5			
	21840	8	50	56	25	7,5			

MOTOR 3 PH - VOLTS 230/400 HZ 50 R.P.M. 1400 IP55

*= according to hose compound

A = suction pressure in m

P = discharge pressure in m

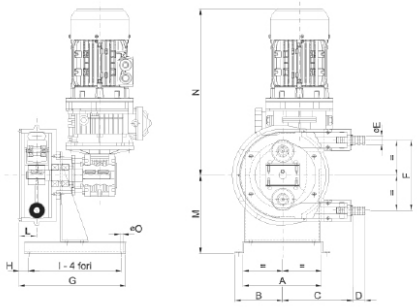
I = ratio

di = inn. diam. pump hose mm

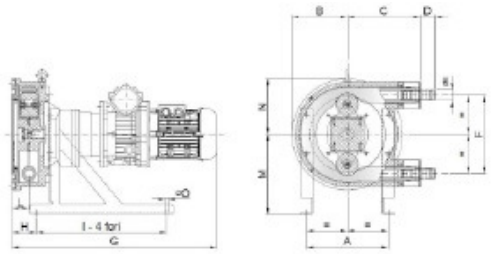
Qu = litres for revolution

Nm = min. start. torque

AVAILABLE IN ATEX CERTIFICATION:
EX: I M2 c II 2G c IIB, TX



ASP 10/15



ASP 25/15 - 25 - 32 - 40 - 50 - 65

OVERALL DIMENSIONS

TYPE	A	B	C	D	E	F	G	H	I	L	M	N	øO	Kg.
ASP 10 VX	210	112	166	25	15	167	251	21	220	40	184	345	7	20
ASP 15 VX	210	112	166	30	20	167	251	21	220	40	184	345	7	20
ASP 25/15 VX	250	170	224	45	20	240	640	75	400	52	228	170	11	50
ASP 25 VX	250	170	224	45	32	240	640	75	400	52	228	170	11	50
ASP 32 VX	330	217	290	66	40	314	735	114	520	68	300	217	11	90
ASP 40 VX	420	270	340	70	50	398	884	130	580	74	370	270	14	120
ASP 50 VX	420	330	380	80	65	512	1017	158	650	88	440	330	14	180
ASP 65 VX	566	440	510	91	80	672	1385	142	930	106	570	440	18	430

TECHNICAL CHARACTERISTICS

TYPE	Q (L/H)	A	P	RPM	I	KW	di	Qu	Nm
ASP 10 VX	6,5÷30,6 9,6÷46 15,5÷77,5 26÷129	8 8 8 8	100/80 100/70 100/60 100/50	3,2÷15 4,7÷22,5 7,6÷38 12,7÷63,3	60 40 25 15	0,22 0,22 0,37 0,37	10	0,034	35
ASP 15 VX	14,2÷66,6 21÷100 34÷168,7 56,4÷281	8 8 8 8	100/80 100/70 100/60 100/50	3,2÷15 4,7÷22,5 7,6÷38 12,7÷63,3	60 40 25 15	0,22 0,22 0,37 0,37	15	0,074	35
ASP 25/15 VX	37÷196,5 60÷314,4 94,3÷487,3 118÷629	8 8 8 8	100/60 100/70 100/50 100/40	4,7÷25 7,6÷40 12÷62 15÷80	40 25 16 12,5	0,55 0,75 0,75 0,75	15	0,131	40
ASP 25 VX	90÷480 146÷768 230÷1190 288÷1536	8 8 8 8	100/60 100/60 100/50 100/40	4,7÷25 7,6÷40 12÷62 15÷80	40 25 16 12,5	0,55 0,75 0,75 0,75	25	0,32	40
ASP 32 VX	210÷1134 319÷1680 504÷2604 630÷3360	8 8 8 8	100/60 100/60 100/50 100/40	5÷27 7,6÷40 12÷62 15÷80	37 25 16 12,5	1,1 1,1 1,1 1,1	32	0,70	75
ASP 40 VX	342÷1811 489÷2611 775÷4080 979÷5059	8 8 8 8	100/60 100/60 100/50 100/40	4,2÷22,2 6÷32 9,5÷50 12÷62	45 31,5 20 16	1,5 1,5 2,2 2,2	40	1,36	110
ASP 50 VX	703÷3716 1004÷5356 1590÷8370 2008÷10378	8 8 8 8	100/60 100/60 100/50 100/40	4,2÷22,2 6÷32 9,5÷50 12÷62	45 31,5 20 16	2,2 2,2 3 3	50	2,79	200
ASP 65 VX	1638÷8658 2340÷12480 2964÷15600 3705÷19500	8 8 8 8	100/60 100/60 100/50 100/40	4,2÷22,2 6÷32 7,6÷40 9,5÷50	45 31,5 25 20	4 5,5 7,5 7,5	65	6,50	400

MOTOR 3 PH - VOLTS 230/400 HZ 50 R.P.M. 1400 IP55

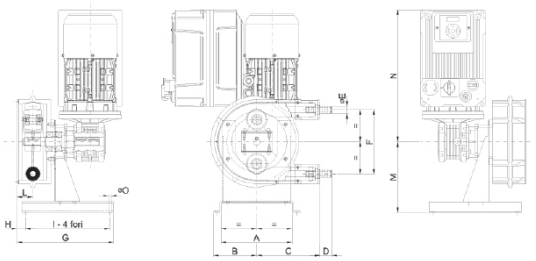
*= according to hose compound

A = suction pressure in m
P = discharge pressure in m
I = ratio

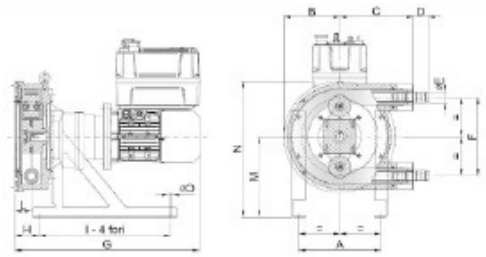
di = inn. diam. pump hose mm
Qu = litres for revolution
Nm = min. start. torque

AVAILABLE IN ATEX CERTIFICATION:
EX: I M2 Ex II 2G Ex IIB. TX

ASP IX



ASP 10/15



ASP 25/15 - 25 - 32 - 40 - 50 - 65

OVERALL DIMENSIONS

TYPE	A	B	C	D	E	F	G	H	I	L	M	N	øO	Kg.
ASP 10 IX	210	112	166	25	15	167	251	21	220	40	184	334	7	25
ASP 15 IX	210	112	166	30	20	167	251	21	220	40	184	334	7	25
ASP 25/15 IX	250	170	224	25	20	240	550	75	400	52	228	398	11	54
ASP 25 IX	250	170	224	25	32	240	550	75	400	52	228	398	11	54
ASP 32 IX	330	217	230	66	40	314	654	114	520	68	300	517	11	90
ASP 40 IX	420	270	340	70	50	398	735	130	580	74	370	640	14	130
ASP 50 IX	420	330	380	80	65	512	833	158	650	88	440	770	14	170
ASP 65 IX	566	440	510	91	80	672	1107	142	930	106	570	1010	18	430

TECHNICAL CHARACTERISTICS

TYPE	Q (L/H)	A	P	RPM	I	KW	di	Qu	Nm
ASP 10 IX	9÷65 19÷130 28,5÷200	8 8 8	100/80 100/60 100/50	4,5÷32 9,3÷65 14÷98	60 40 20	0,25 0,37 0,37	10	0,034	35
ASP 15 IX	20÷142 41,3÷289 62÷435	8 8 8	100/80 100/60 100/50	4,5÷32 9,3÷65 14÷98	60 30 20	0,25 0,37 0,37	15	0,074	35
ASP 25/15 IX	55÷385 71÷495 110÷870	8 8 8	100/80 100/60 100/50	7÷49 9÷63 14÷98	40 31,5 20	0,75 0,75 0,75	15	0,131	40
ASP 25 IX	134÷940 173÷1210 268÷1880	8 8 8	100/80 100/60 100/50	7÷49 9÷63 14÷98	40 31,5 20	0,75 0,75 0,75	25	0,32	40
ASP 32 IX	294÷2058 390÷2730 588÷4116	8 8 8	100/80 100/50 100/40	7÷49 9,3÷65 14÷98	46 30 20	1,5 1,5 1,5	32	0,70	75
ASP 40 IX	408÷2856 734÷5140 938÷6528	8 8 8	100/80 100/50 100/40	5÷35 9÷63 11,5÷80	56 31,5 24,5	1,5 2,2 2,2	40	1,36	110
ASP 50 IX	837÷5860 1507 ÷10546 1925÷13395	8 8 8	100/80 100/50 100/40	5÷35 9÷63 11,5÷80	56 31,5 24,5	2,2 3 4	50	2,79	200
ASP 65 IX	1720÷12090 2730÷19110 3510÷24570	8 8 8	100/80 100/50 100/40	4,4÷31 7÷49 9÷63	63 40 31,5	7,5 7,5 7,5	65	6,50	400

MOTOR 3 PH - VOLTS 230/400 HZ 50 R.P.M. 1400 IP55

*= according to hose compound

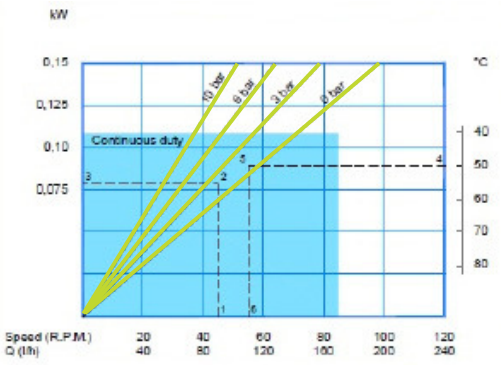
4-20mA SIGNAL ON DEMAND

A = suction pressure in m
P = discharge pressure in m
I = ratio

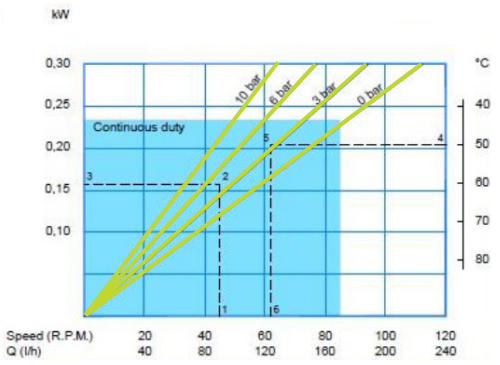
di = inn. diam. pump hose mm
Qu = litres for revolution
Nm = min. start. torque

PERFORMANCE CURVES

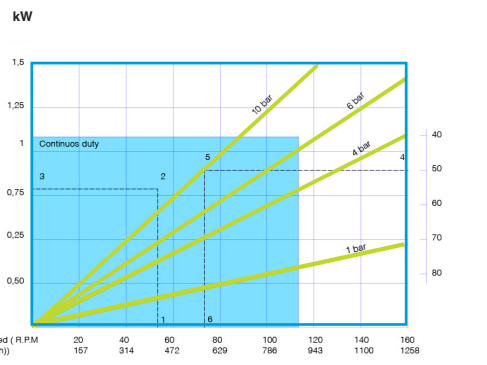
ASP 10



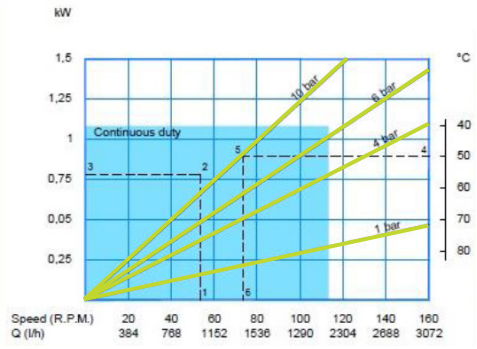
ASP 15



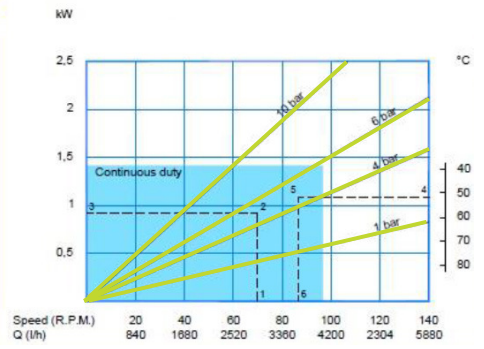
ASP 25/15



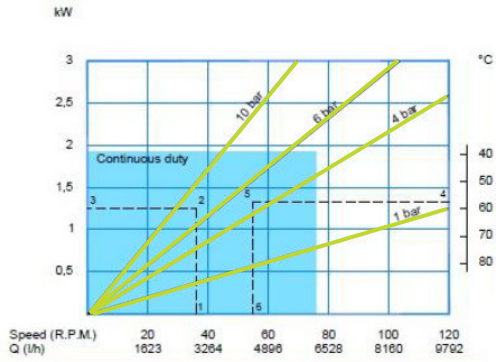
ASP 25



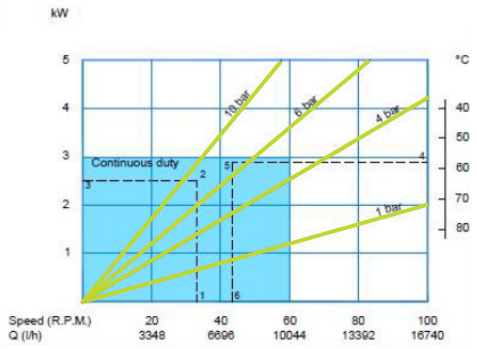
ASP 32



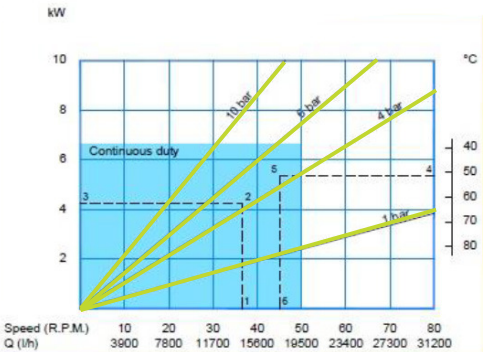
ASP 40



ASP 50



ASP 65



HOW TO USE THE CURVES

- Flow required indicates pump speed
- Calculated dischange pressure
- Net motor power required
- Fluid temperature
- Calculated dischange pressure
- Maximun recommended pump speed

The operating data here described refer to water or similar peculiarity fluid

SPECIAL VERSION

DOUBLE HEAD

PUMP HEAD

TROLLEY

fluimac®
pump solution

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AUTHORIZED PARTNER:

Made in Italy