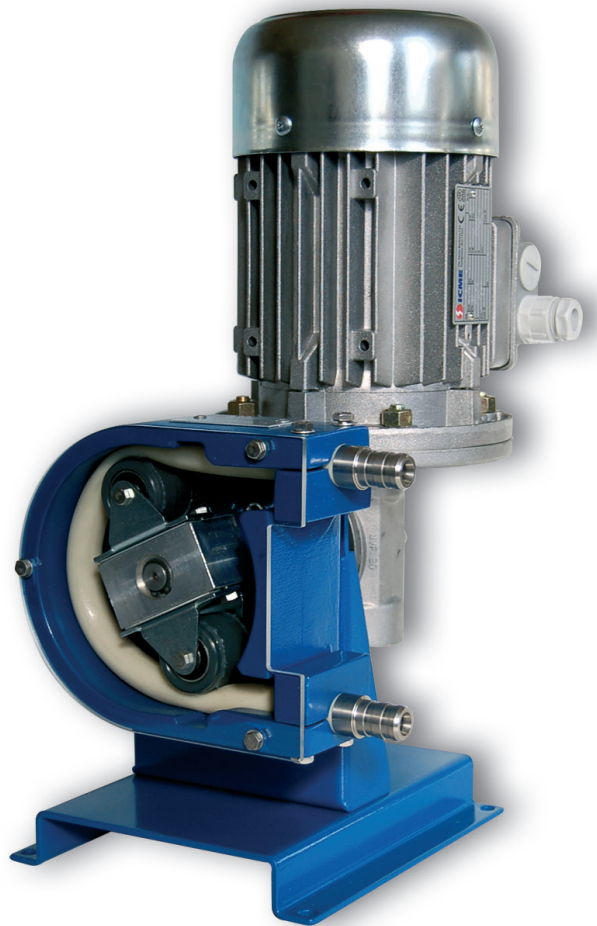


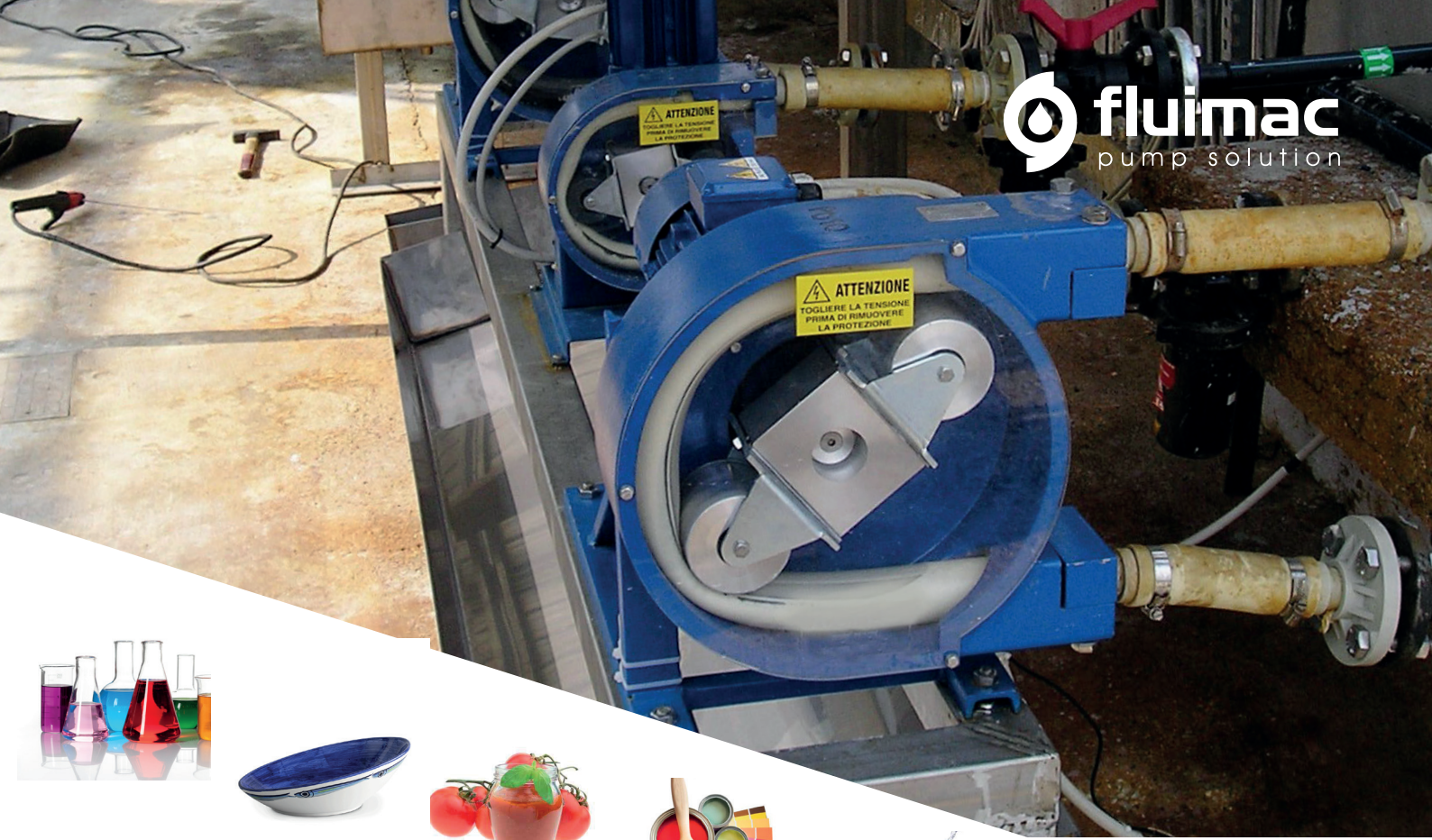
fluimac[®]
pump solution



HELIOS
PERISTALTIC PUMPS

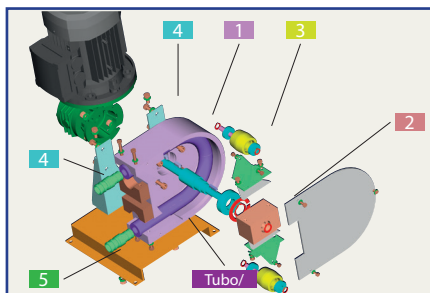
Made in
Italy

www.fluimac.com



HELIOS AS

Peristaltic dosing pumps - Low Pressure
Capacity up to about 2800 l/h - delivery head up to 4 bar
Viscosity up to 15000 cps - Achievable suction up to 6 mts



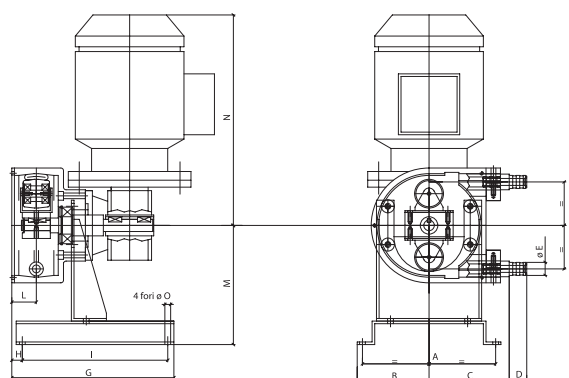
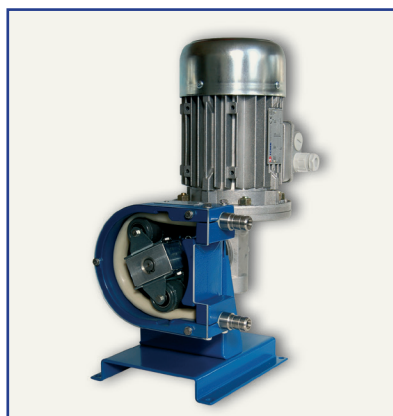
| Element | Material |
|------------------|-----------------|
| 1 Pump casing | aluminium alloy |
| 2 Rotor | aluminium alloy |
| 3 Rollers | PVC |
| As 25 | aluminium alloy |
| 4 Base | Iron |
| 5 Hose Connector | AISI 304 |

Special couplings:
 Hose Connector in AISI 316, PVC, PTFE
 DIN
 TRI-CLAMPS
 ANSI, ISO, UNI, FLANGES

- TECHNICAL FEATURES**
- Accurate and repeatable dosing and metering
 - Long life and greater reliability
 - Self-priming
 - Continuous dry running
 - Lowest cost of ownership
 - Quick and easy maintenance

- AVAILABLE HOSES MATERIALS**
- Hypalon
 - NR
 - NBR
 - Norprene®
 - Silicone
 - EPDM
 - Pharmed®
 - Tygon





OVERALL DIMENSIONS

| TYPE | A | B | C | D | E | F | G | H | I | L | M | N | øO | Kg. |
|-----------------|-----|-----|-----|----|----|-----|-----|----|-----|----|-----|-----|----|-----|
| AS 10 FX | 172 | 92 | 92 | 20 | 15 | 104 | 185 | 12 | 166 | 28 | 137 | 245 | 7 | 9 |
| AS 15 FX | 172 | 92 | 110 | 20 | 20 | 127 | 183 | 12 | 166 | 30 | 137 | 245 | 7 | 10 |
| AS 20 FX | 210 | 112 | 142 | 35 | 25 | 175 | 248 | 18 | 220 | 40 | 184 | 260 | 7 | 18 |
| AS 25 FX | 250 | 146 | 210 | 45 | 32 | 254 | 386 | 81 | 290 | 52 | 228 | 370 | 11 | 40 |

TECHNICAL CHARACTERISTICS

| TYPE | Q (L/H) | A | P | RPM | I | KW | di | Qu | Nm |
|-----------------|----------|---|-----------|-----|----|------|----|-------|----|
| AS 10 FX | 23 | 4 | 15 | 23 | 60 | 0,18 | 9 | 0,017 | 6 |
| | 35 | 4 | 15 | 35 | 40 | 0,18 | | | |
| | 47 | 4 | 15 | 47 | 30 | 0,18 | | | |
| | 70 | 4 | 15 | 70 | 20 | 0,18 | | | |
| | 93 | 4 | 15 | 93 | 15 | 0,18 | | | |
| AS 15 FX | 56 | 4 | 15 | 23 | 60 | 0,18 | 13 | 0,041 | 12 |
| | 86 | 4 | 15 | 35 | 40 | 0,18 | | | |
| | 115 | 4 | 15 | 47 | 30 | 0,18 | | | |
| | 172 | 4 | 15 | 70 | 20 | 0,18 | | | |
| | 228 | 4 | 15 | 93 | 15 | 0,18 | | | |
| AS 20 FX | 149 | 5 | * 15 - 40 | 23 | 60 | 0,18 | 17 | 0,108 | 20 |
| | 227 | 5 | * 15 - 40 | 35 | 40 | 0,18 | | | |
| | 305 | 5 | * 15 - 30 | 47 | 30 | 0,18 | | | |
| | 453 | 5 | * 15 - 30 | 70 | 20 | 0,18 | | | |
| | 602 | 5 | * 10 - 20 | 93 | 15 | 0,18 | | | |
| AS 25 FX | 538 | 6 | * 20 - 40 | 28 | 60 | 0,37 | 25 | 0,320 | 30 |
| | 672 | 6 | * 20 - 40 | 35 | 40 | 0,37 | | | |
| | 902 | 6 | * 20 - 30 | 47 | 30 | 0,37 | | | |
| | 1344 | 6 | * 20 - 30 | 70 | 20 | 0,75 | | | |
| | 1785 | 6 | * 15 - 25 | 93 | 15 | 0,75 | | | |

MOTOR 3 PH - VOLTS 230/400 HZ 50 R.P.M. I400 IP55

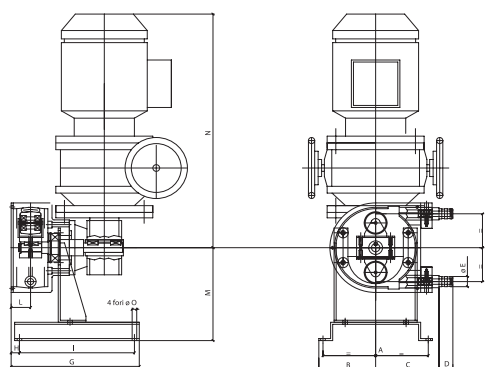
*= according to hose compound

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 E II 2G E IIB, TX



OVERALL DIMENSIONS

| TYPE | A | B | C | D | E | F | G | H | I | L | M | N | øO | Kg. |
|----------|-----|-----|-----|----|----|-----|-----|----|-----|----|-----|-----|----|-----|
| AS 10 VX | 172 | 92 | 92 | 20 | 15 | 104 | 185 | 12 | 166 | 28 | 137 | 328 | 7 | 12 |
| AS 15 VX | 172 | 92 | 110 | 20 | 20 | 127 | 183 | 12 | 166 | 30 | 137 | 328 | 7 | 13 |
| AS 20 VX | 210 | 112 | 142 | 35 | 25 | 175 | 248 | 18 | 220 | 40 | 184 | 343 | 7 | 22 |
| AS 25 VX | 250 | 146 | 210 | 45 | 32 | 254 | 386 | 81 | 290 | 52 | 228 | 476 | 11 | 45 |

TECHNICAL CHARACTERISTICS

| TYPE | Q (L/H) | A | P | RPM | I | KW | di | Qu | Nm |
|----------|-------------|---|-----------|-------------|----|------|----|-------|----|
| AS 10 VX | 3,2 ÷ 15 | 4 | 15 | 3,2 ÷ 15 | 60 | 0,22 | | | |
| | 4,7 ÷ 22,5 | 4 | 15 | 4,7 ÷ 22,5 | 40 | 0,22 | | | |
| | 6,3 ÷ 30 | 4 | 15 | 6,3 ÷ 30 | 30 | 0,22 | 9 | 0,017 | 6 |
| | 9,5 ÷ 45 | 4 | 15 | 9,5 ÷ 45 | 20 | 0,22 | | | |
| | 19 ÷ 90 | 4 | 15 | 19 ÷ 90 | 10 | 0,22 | | | |
| AS 15 VX | 7,8 ÷ 37 | 4 | 15 | 3,2 ÷ 15 | 60 | 0,22 | | | |
| | 11,6 ÷ 55 | 4 | 15 | 4,7 ÷ 22,5 | 40 | 0,22 | | | |
| | 15,5 ÷ 73,8 | 4 | 15 | 6,3 ÷ 30 | 30 | 0,22 | 13 | 0,041 | 12 |
| | 23,4 ÷ 110 | 4 | 15 | 9,5 ÷ 45 | 20 | 0,22 | | | |
| | 47 ÷ 221 | 4 | 15 | 19 ÷ 90 | 10 | 0,22 | | | |
| AS 20 VX | 21 ÷ 97 | 5 | * 15 - 40 | 3,2 ÷ 15 | 60 | 0,22 | | | |
| | 30 ÷ 146 | 5 | * 15 - 40 | 4,7 ÷ 22,5 | 40 | 0,22 | | | |
| | 41 ÷ 194 | 5 | * 15 - 40 | 6,3 ÷ 30 | 30 | 0,22 | 17 | 0,108 | 20 |
| | 62 ÷ 291 | 5 | * 15 - 40 | 9,5 ÷ 45 | 20 | 0,22 | | | |
| | 82 ÷ 388 | 5 | * 15 - 40 | 12,7 ÷ 60 | 15 | 0,22 | | | |
| AS 25 VX | 73 ÷ 365 | 6 | * 20 - 40 | 3,8 ÷ 19 | 60 | 0,37 | | | |
| | 90 ÷ 455 | 6 | * 20 - 40 | 4,7 ÷ 23,7 | 40 | 0,37 | | | |
| | 121 ÷ 608 | 6 | * 20 - 35 | 6,3 ÷ 31,7 | 30 | 0,37 | 25 | 0,320 | 30 |
| | 182 ÷ 912 | 6 | * 15 - 30 | 9,5 ÷ 47,5 | 20 | 0,37 | | | |
| | 243 ÷ 1280 | 6 | * 15 - 25 | 12,7 ÷ 66,7 | 15 | 0,75 | | | |

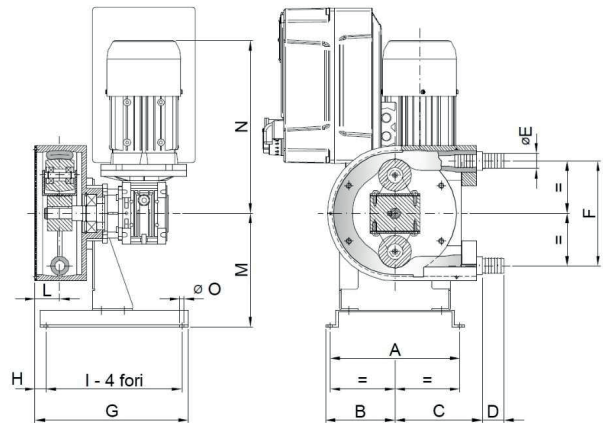
MOTOR 3 PH - VOLTS 230/400 HZ 50 R.P.M. I400 IP55

*= 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





OVERALL DIMENSIONS

| TYPE | A | B | C | D | E | F | G | H | I | L | M | N | øO | Kg. |
|----------|-----|-----|-----|----|----|-----|-----|----|-----|----|-----|-----|----|-----|
| AS 10 IX | 172 | 92 | 92 | 20 | 15 | 104 | 185 | 12 | 166 | 28 | 137 | 245 | 7 | 9 |
| AS 15 IX | 172 | 92 | 110 | 20 | 20 | 127 | 183 | 12 | 166 | 30 | 137 | 245 | 7 | 10 |
| AS 20 IX | 210 | 112 | 142 | 35 | 25 | 175 | 248 | 18 | 220 | 40 | 184 | 260 | 7 | 18 |
| AS 25 IX | 250 | 146 | 210 | 45 | 32 | 254 | 386 | 81 | 290 | 52 | 228 | 370 | 11 | 40 |

TECHNICAL CHARACTERISTICS

| TYPE | Q (L/H) | A | P | RPM | I | KW | di | Qu | Nm |
|----------|-----------|---|-----------|----------|----|------|----|-------|----|
| AS 10 IX | 1,5 ÷ 47 | 4 | 15 | 1,5 ÷ 47 | 60 | 0,18 | 9 | 0,017 | 6 |
| | 3 ÷ 93 | 4 | 15 | 3 ÷ 93 | 30 | 0,18 | | | |
| | 6 ÷ 185 | 4 | 10 | 6 ÷ 185 | 15 | 0,18 | | | |
| AS 15 IX | 3,7 ÷ 115 | 4 | 15 | 1,5 ÷ 47 | 60 | 0,18 | 13 | 0,041 | 12 |
| | 7 ÷ 172 | 4 | 15 | 2,8 ÷ 70 | 40 | 0,18 | | | |
| | 15 ÷ 345 | 4 | 15 | 6 ÷ 140 | 30 | 0,18 | | | |
| AS 20 IX | 10 ÷ 304 | 5 | * 15 - 40 | 1,5 ÷ 47 | 60 | 0,18 | 17 | 0,108 | 20 |
| | 18 ÷ 453 | 5 | * 15 - 40 | 2,8 ÷ 70 | 40 | 0,18 | | | |
| | 20 ÷ 602 | 5 | * 15 - 30 | 3 ÷ 93 | 30 | 0,18 | | | |
| AS 25 IX | 29 ÷ 902 | 6 | * 20 - 40 | 1,5 ÷ 47 | 60 | 0,37 | 25 | 0,320 | 30 |
| | 54 ÷ 1344 | 6 | * 20 - 40 | 2,8 ÷ 70 | 40 | 0,55 | | | |
| | 58 ÷ 1785 | 6 | * 15 - 25 | 3 ÷ 93 | 30 | 0,75 | | | |

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

*= according to hose compound

4-20mA SIGNAL ON DEMAND

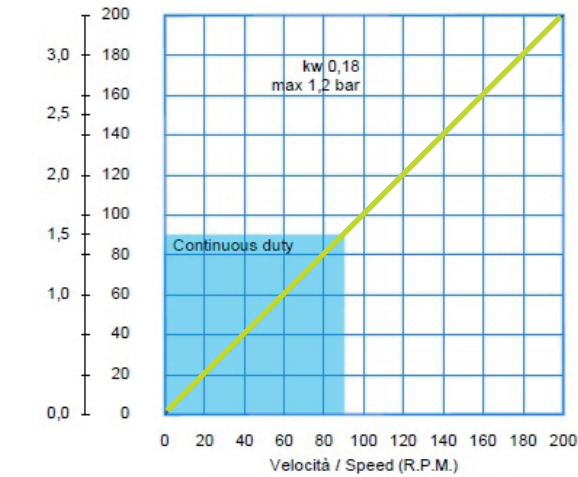
A = suction pressure in m
 P = discharge pressure in m
 I = ratio

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

PERFORMANCE CURVES

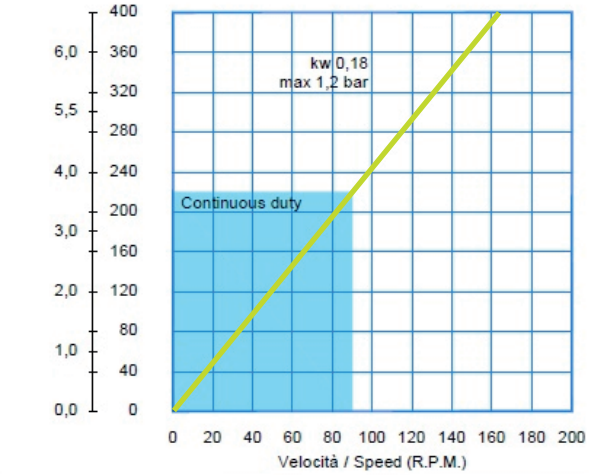
Portata / Output
Q (l/min) Q (l/h)

AS 10



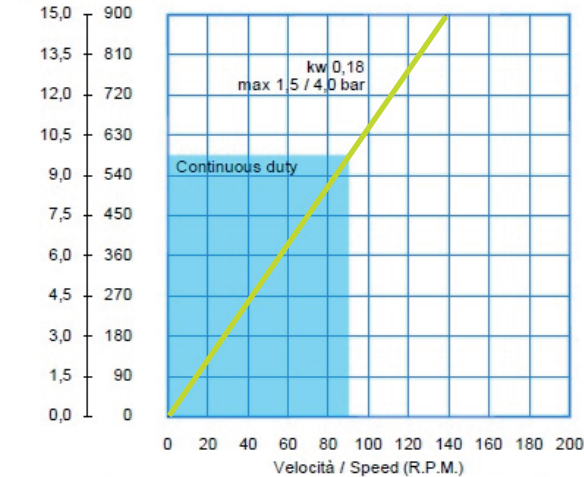
Portata / Output
Q (l/min) Q (l/h)

AS 15



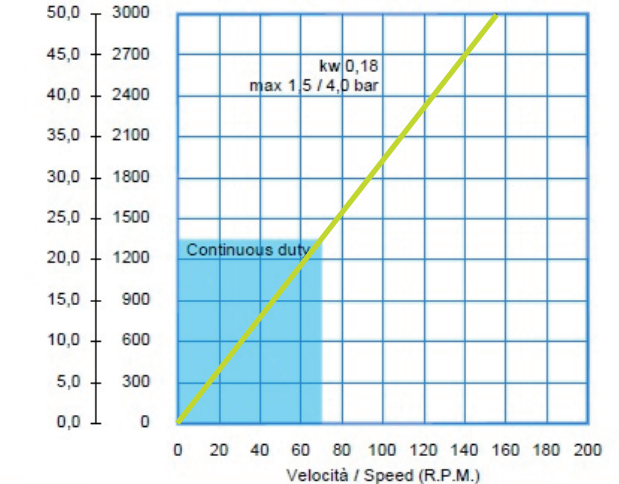
Portata / Output
Q (l/min) Q (l/h)

AS 20

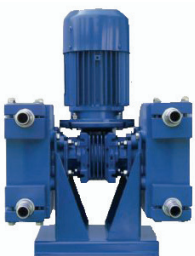


Portata / Output
Q (l/min) Q (l/h)

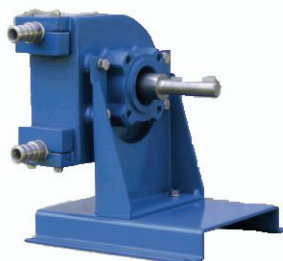
AS 25



SPECIAL VERSION



DOUBLE HEAD



PUMP HEAD

HOW TO USE THE CURVES

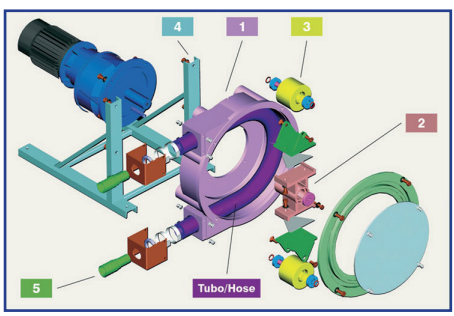
- Flow required indicates pump speed
- Calculated discharge pressure
- Net motor power required
- Fluid temperature
- Calculated discharge pressure
- Maximum recommended pump speed

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



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 |

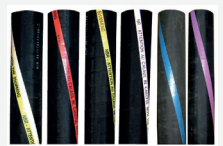
Special couplings:
 Hose Connector in AISI 316, PVC, PTFE
 DIN
 TRI-CLAMPS
 ANSI, ISO, UNI, FLANGES

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

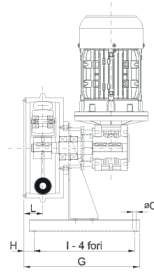
AVAILABLE HOSES MATERIALS

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

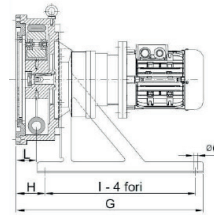
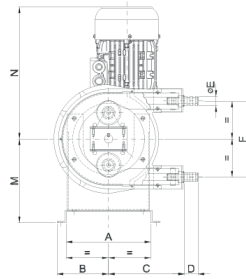




OVERALL DIMENSIONS



ASP 10/15



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

| 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 | 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 |

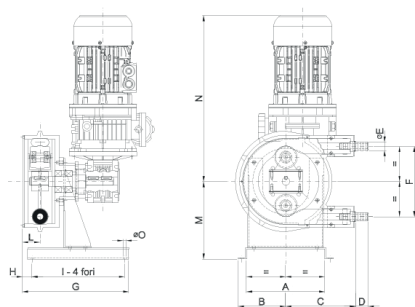
TECHNICAL CHARACTERISTICS

| 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 | | | |
| | 1550 | 8 | 60 | 45 | 31,5 | 7,5 | | | |
| | 21840 | 8 | 50 | 56 | 25 | 7,5 | | | |

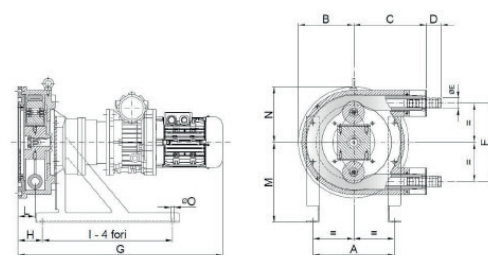
MOTOR 3 PH - VOLTS 230/400 HZ 50 R.P.M. 1400 IP55

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

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



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 |

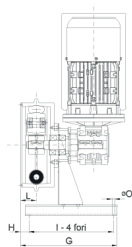
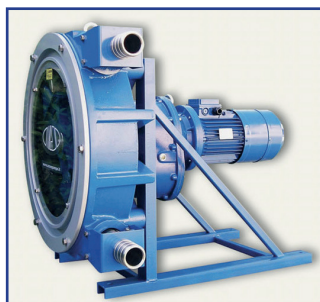
TECHNICAL CHARACTERISTICS

| TYPE | Q (L/H) | A | P | RPM | I | KW | di | Qu | Nm |
|---------------------|-------------|---|--------|---------|------|------|----|-------|-----|
| ASP 10 VX | 9÷65 | 8 | 100/80 | 4,5÷32 | 60 | 0,25 | | | |
| | 19÷130 | 8 | 100/60 | 9,3÷65 | 40 | 0,37 | 10 | 0,034 | 35 |
| | 28,5÷200 | 8 | 100/50 | 14÷98 | 20 | 0,37 | | | |
| ASP 15 VX | 20÷142 | 8 | 100/80 | 4,5÷32 | 60 | 0,25 | | | |
| | 41,3÷289 | 8 | 100/60 | 9,3÷65 | 30 | 0,37 | 15 | 0,074 | 35 |
| | 62÷435 | 8 | 100/50 | 14÷98 | 20 | 0,37 | | | |
| ASP 25/15 VX | 55÷385 | 8 | 100/80 | 7÷49 | 40 | 0,75 | | | |
| | 71÷495 | 8 | 100/60 | 9÷63 | 31,5 | 0,75 | 15 | 0,131 | 40 |
| | 110÷870 | 8 | 100/50 | 14÷98 | 20 | 0,75 | | | |
| ASP 25 VX | 134÷940 | 8 | 100/80 | 7÷49 | 40 | 0,75 | | | |
| | 173÷1210 | 8 | 100/60 | 9÷63 | 31,5 | 0,75 | 25 | 0,32 | 40 |
| | 268÷1880 | 8 | 100/50 | 14÷98 | 20 | 0,75 | | | |
| ASP 32 VX | 294÷2058 | 8 | 100/80 | 7÷42 | 46 | 1,5 | | | |
| | 390÷2730 | 8 | 100/50 | 9,3÷65 | 30 | 1,5 | 32 | 0,70 | 75 |
| | 588÷4116 | 8 | 100/40 | 14÷98 | 20 | 1,5 | | | |
| ASP 40 VX | 408÷2856 | 8 | 100/80 | 5÷35 | 56 | 1,5 | | | |
| | 734÷5140 | 8 | 100/50 | 9÷63 | 31,5 | 2,2 | 40 | 1,36 | 110 |
| | 938÷6528 | 8 | 100/40 | 11,5÷80 | 24,5 | 2,2 | | | |
| ASP 50 VX | 837÷5860 | 8 | 100/80 | 5÷35 | 56 | 2,2 | | | |
| | 1507 ÷10546 | 8 | 100/50 | 9÷63 | 31,5 | 3 | 50 | 2,79 | 200 |
| | 1925÷13395 | 8 | 100/40 | 11,5÷80 | 24,5 | 4 | | | |
| ASP 65 VX | 1720÷12090 | 8 | 100/80 | 4,4÷31 | 63 | 5,5 | | | |
| | 2730÷19110 | 8 | 100/50 | 7÷49 | 40 | 7,5 | 65 | 6,50 | 400 |
| | 3510÷24570 | 8 | 100/40 | 9÷63 | 31,5 | 7,5 | | | |

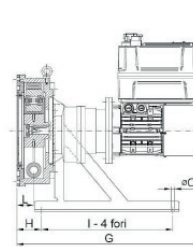
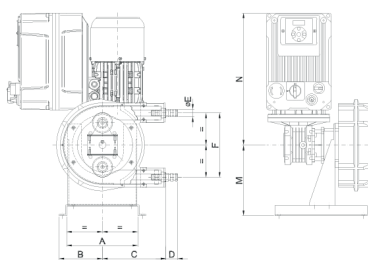
MOTOR 3 PH - VOLTS 230/400 HZ 50 R.P.M. I400 IP55

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

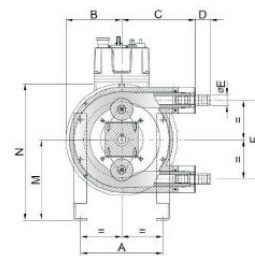
*= according to hose compound
 di = inn. diam. pump hose mm
 Qu = litres for revolution
 Nm = min. start. torque



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

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

*= according to hose compound

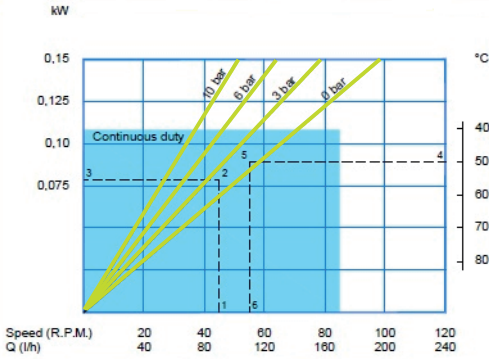
4-20mA SIGNAL ON DEMAND

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

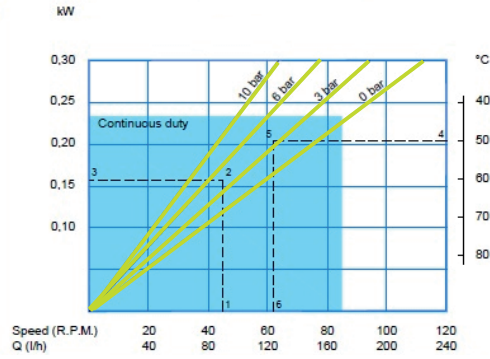
di = inn. diam. pump hose mm
 Qu = litres for revolution
 Nm = min. start. torque

PERFORMANCE CURVES

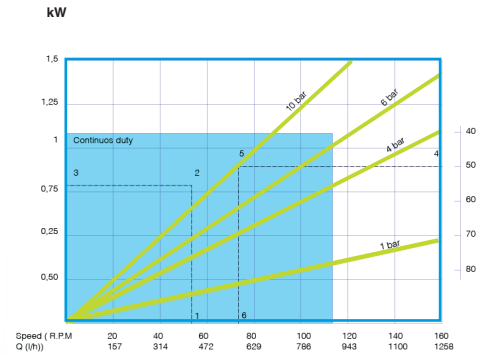
ASP 10



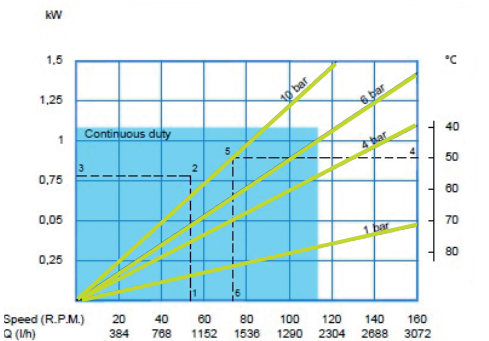
ASP 15



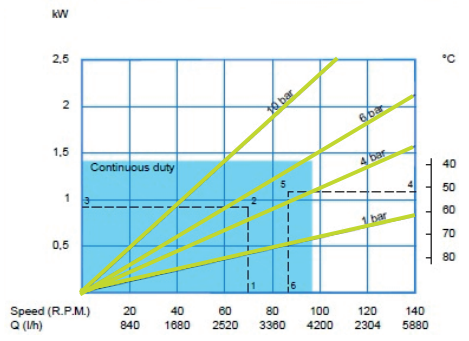
ASP 25/15



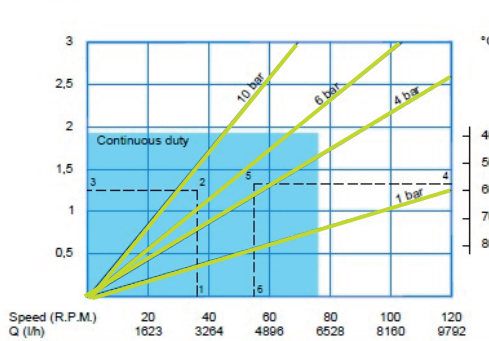
ASP 25



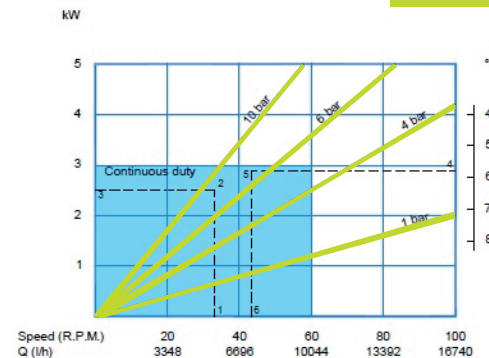
ASP 32



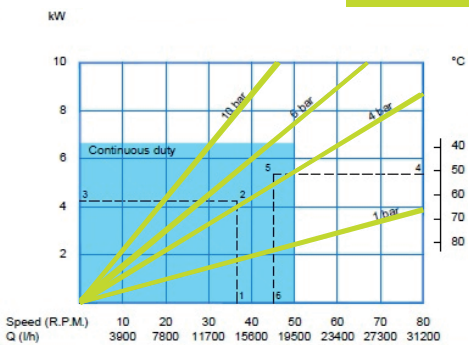
ASP 40



ASP 50



ASP 65



HOW TO USE THE CURVES

- Flow required indicates pump speed
 - Calculated discharge pressure
 - Net motor power required
 - Fluid temperature
 - Calculated discharge pressure
 - Maximum recommended pump speed
- The operating data here described refer to water or similar peculiarity fluid

SPECIAL VERSION



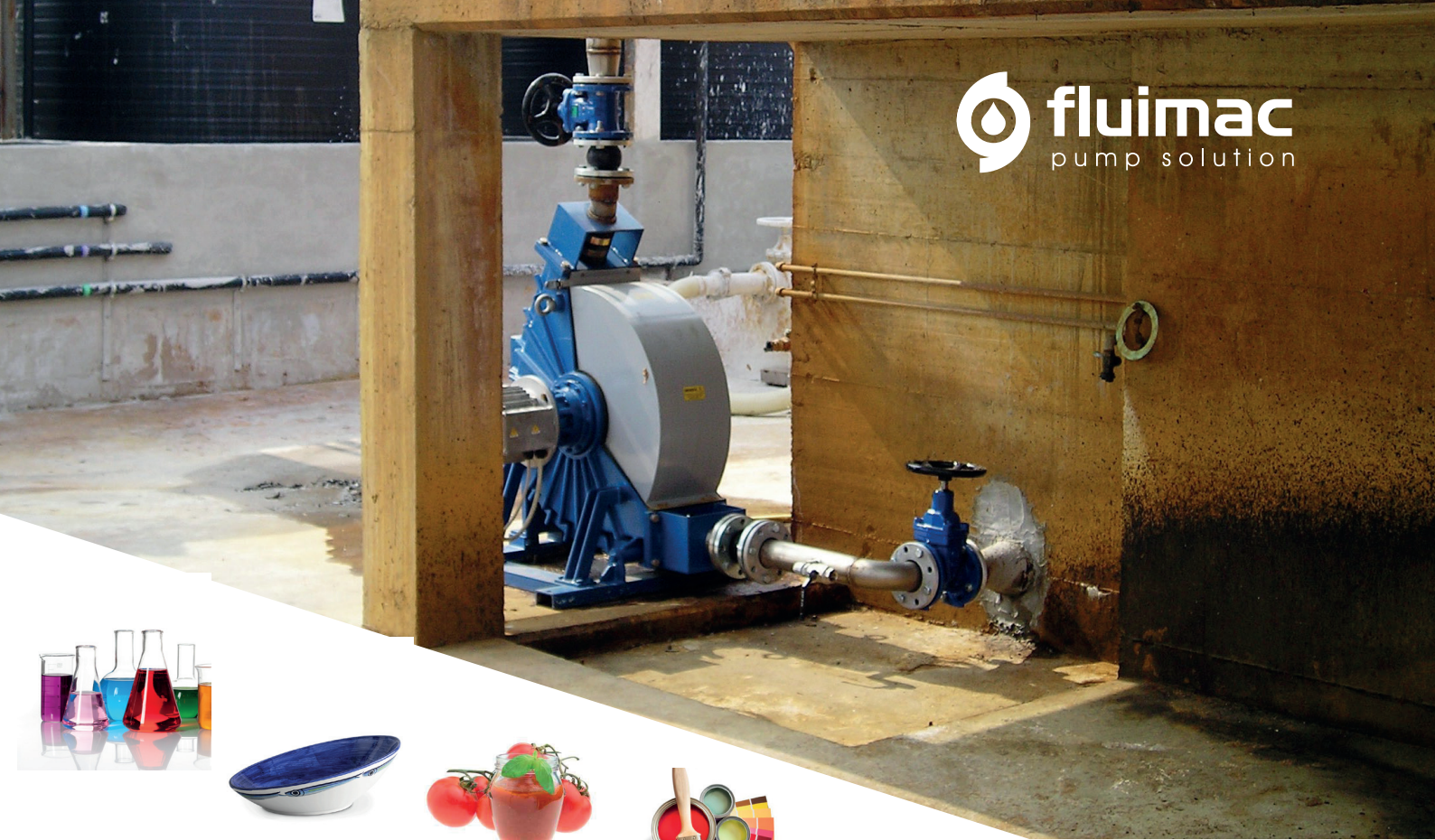
DOUBLE HEAD



PUMP HEAD



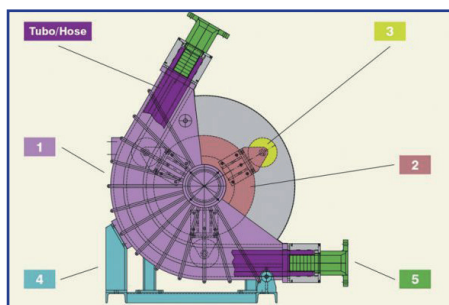
TROLLEY



HELIOS ATR

Peristaltic pumps

Capacity up to about 64000 l/h - delivery head up to 8 bar
Viscosity up to 60000 cps - Achievable suction up to 8 mts



Element

- 1 Pump casing
- 2 Rotor
- 3 Rollers
- 4 Base
- 5 Flange ISO

Material

- Cast Iron
- Iron
- aluminium nylatron
- Iron
- AISI 304

Special couplings:

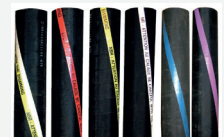
- DIN
- TRI-CLAMPS
- ANSI, ISO, UNI, FLANGES

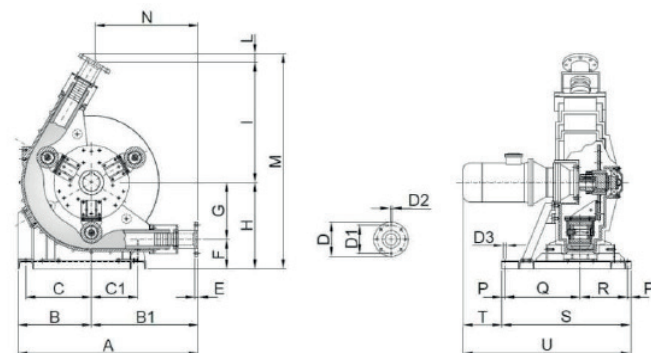
TECHNICAL FEATURES

- No mechanical seal or stuffing box
- Robust
- Suitable for aggressive or viscous fluids
- Damage-free continuous dry running
- Outlet pressures up to 8 bar
- Very easy maintenance
- Big Performance

AVAILABLE HOSES MATERIALS

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





ATR 80 FX/TD

OVERALL DIMENSIONS

| A | B | B1 | C | C1 | D | D1 | D2 | D3 | E | F | G | H | I | L | M | N | O | P | Q | R | S | T | U |
|------|-----|-----|-----|-----|-----|-----|----|----|----|-----|-----|-----|-----|----|------|-----|---|----|-----|-----|-----|-----|------|
| 1148 | 467 | 681 | 417 | 295 | 220 | 180 | 16 | 18 | 22 | 189 | 365 | 554 | 772 | 55 | 1391 | 657 | O | 20 | 480 | 300 | 820 | 245 | 1065 |

TECHNICAL CHARACTERISTICS

| Q(L/H) | A | P | RPM | Kw | di | Qu | Nm | Kg |
|--------|---|---------|------|-----------|----|-----|------|-----|
| 12160 | 8 | 50 (80) | 22,3 | 5,5 (7,5) | | | | |
| 18874 | 8 | 30 (50) | 34,6 | 5,5 (9) | 80 | 9,1 | 1200 | 390 |
| 21915 | 8 | 25 (45) | 40,1 | 5,5 (9) | | | | |
| 26422 | 8 | 20 (40) | 48,4 | 7,5 (11) | | | | |

ATR 280 FX/TD

OVERALL DIMENSIONS

| A | B | B1 | C | C1 | D | D1 | D2 | D3 | E | F | G | H | I | L | M | N | O | P | Q | R | S | T | U |
|------|-----|-----|-----|-----|-----|-----|----|----|----|-----|-----|-----|-----|----|------|-----|-----|----|-----|-----|-----|-----|------|
| 1148 | 467 | 681 | 417 | 295 | 220 | 180 | 16 | 18 | 22 | 189 | 365 | 554 | 772 | 55 | 1391 | 657 | 119 | 20 | 550 | 370 | 960 | 294 | 1254 |

TECHNICAL CHARACTERISTICS

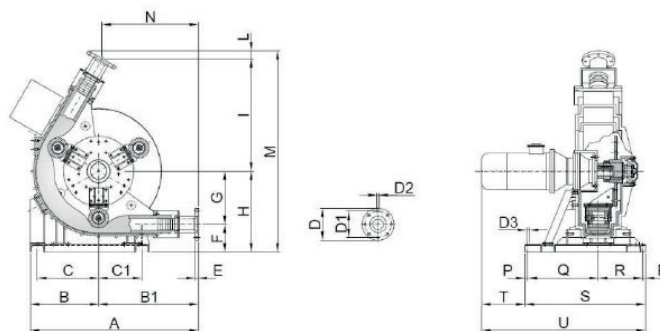
| Q(L/H) | A | P | RPM | Kw | di | Qu | Nm | Kg |
|--------|---|---------|------|----------|----|------|------|-----|
| 24321 | 8 | 50 (80) | 22,2 | 7,5 (11) | | | | |
| 37748 | 8 | 30 (50) | 34,6 | 11 (15) | 80 | 18,2 | 2000 | 515 |
| 43830 | 8 | 25 (45) | 40,1 | 11 (15) | | | | |
| 52845 | 8 | 20 (40) | 48,4 | 11 (15) | | | | |

MOTOR 3 PH - VOLTS 230/400 HZ 50 R.P.M. I400 IP55

- * = according to hose compound
- A = suction pressure in m
- P = discharge pressure in m

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

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



ATR 80 IX/TD

OVERALL DIMENSIONS

| A | B | B1 | C | C1 | D | D1 | D2 | D3 | E | F | G | H | I | L | M | N | O | P | Q | R | S | T | U |
|------|-----|-----|-----|-----|-----|-----|----|----|----|-----|-----|-----|-----|----|------|-----|---|----|-----|-----|-----|-----|------|
| 1148 | 467 | 681 | 417 | 295 | 220 | 180 | 16 | 18 | 22 | 189 | 365 | 554 | 772 | 55 | 1381 | 657 | O | 20 | 480 | 300 | 820 | 245 | 1065 |

TECHNICAL CHARACTERISTICS

| Q(L/H) | A | P | RPM | Kw | hz | di | Qu | Nm | Kg |
|--------------|---|---------|------------|-----------|---------|----|-----|------|-----|
| 2432 ÷ 14592 | 8 | 50 (80) | 4,5 ÷ 26,7 | 5,5 (7,5) | | | | | |
| 3775 ÷ 22649 | 8 | 30 (50) | 6,9 ÷ 41,5 | 5,5 (9) | 10 ÷ 60 | 80 | 9,1 | 1200 | 440 |
| 4383 ÷ 26298 | 8 | 25 (45) | 8,0 ÷ 48,2 | 7,5 (11) | | | | | |
| 5284 ÷ 31707 | 8 | 20 (40) | 9,7 ÷ 58,1 | 7,5 (11) | | | | | |

ATR 280 IX/TD

OVERALL DIMENSIONS

| A | B | B1 | C | C1 | D | D1 | D2 | D3 | E | F | G | H | I | L | M | N | O | P | Q | R | S | T | U |
|------|-----|-----|-----|-----|-----|-----|----|----|----|-----|-----|-----|-----|----|------|-----|-----|----|-----|-----|-----|-----|------|
| 1148 | 467 | 681 | 417 | 295 | 220 | 180 | 16 | 18 | 22 | 189 | 365 | 554 | 772 | 55 | 1381 | 657 | 119 | 20 | 550 | 370 | 960 | 294 | 1254 |

TECHNICAL CHARACTERISTICS

| Q(L/H) | A | P | RPM | Kw | hz | di | Qu | Nm | Kg |
|---------------|---|---------|------------|---------|---------|----|------|------|-----|
| 4864 ÷ 29185 | 8 | 50 (80) | 4,5 ÷ 26,7 | 11 (15) | | | | | |
| 7550 ÷ 45298 | 8 | 30 (50) | 6,9 ÷ 41,5 | 11 (15) | 10 ÷ 60 | 80 | 18,2 | 2000 | 580 |
| 8766 ÷ 52596 | 8 | 25 (45) | 8,0 ÷ 48,2 | 11 (15) | | | | | |
| 10569 ÷ 63414 | 8 | 20 (40) | 9,7 ÷ 58,1 | 11 (15) | | | | | |

MOTOR 3 PH - VOLTS 230/400 HZ 50 R.P.M. I400 IP55

4-20mA SIGNAL ON DEMAND

* = according to hose compound
 A = suction pressure in m
 P = discharge pressure in m

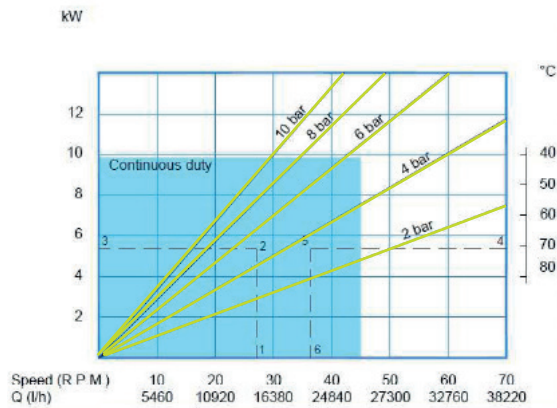
di = inn. diam. pump hose mm
 Qu = litres for revolution
 Nm = min. start. torque

PERFORMANCE CURVES

SPECIAL VERSION

Portata / Output

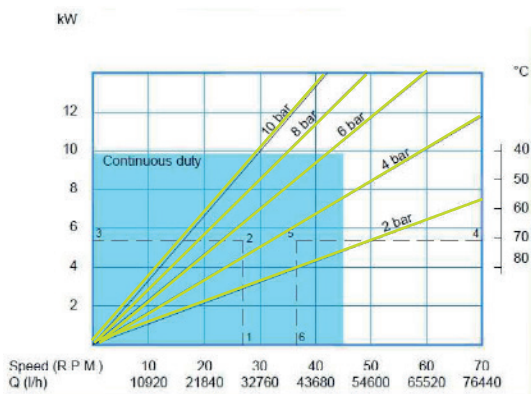
ATR 80



ATR 80/280 TC
BELT TRANSMISSION

Portata / Output

ATR 280



PUMP HEAD

HOW TO USE THE CURVES

- Flow required indicates pump speed
- Calculated discharge pressure
- Net motor power required
- Fluid temperature
- Calculated discharge pressure
- Maximum recommended pump speed

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



TROLLEY

fluimac[®]

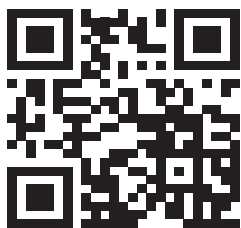
pump solution



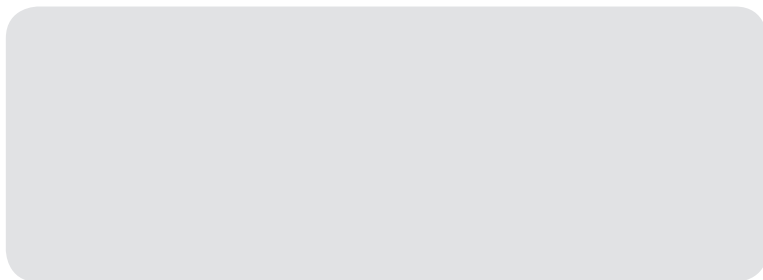
FLUIMAC S.r.l.

Via Ticino 2 / 4
21043, Castiglione Olona (VA) - Italy
Tel.:+39 0331 866688
Fax:+39 0331 864870

www.fluimac.com
info@fluimac.com



AUTHORIZED PARTNER:



*Made in
Italy*

