

Drive and stirring technology for

PHARMA | FOOD | COSMETICS | CHEMICALS | AUTOMATION



IP68 motor



- Radial piston motor
- Protection class IP68
- Housing aluminium anodised
- Four performance variants
- Various transmissions
(see data sheet
Performance data & transmission)
- Noise level < 75 dB
- Rotation speed 0-300 1/min reversible
- Oil and silicone-free
- Shaft seal PTFE
- Drive shaft and screws
made of V4A stainless steel 1.4404
- Compressed air supply 2-6 bar | 30-90 PSI

MOTOR TYPES

| Performance variants | 0450 IP68 | 0900 IP68 | 1800 IP68 | 3600 IP68 |
|-------------------------|------------------|------------------|--------------------|--------------------|
| Art. No. | 1014 | 1015 | 1016 | 1017 |
| Starting torque | 35 lbf in 4 Nm | 70 lbf in 8 Nm | 140 lbf in 16 Nm | 280 lbf in 32 Nm |
| Max. axial load | 45 lbf 200 N | 45 lbf 200 N | 70 lbf 300 N | 70 lbf 300 N |
| Radial dyn. C | 170 lbf 750 N | 170 lbf 750 N | 225 lbf 1000 N | 225 lbf 1000 N |
| Radial stat. Co | 90 lbf 400 N | 90 lbf 400 N | 135 lbf 600 N | 135 lbf 600 N |
| Max. perm. tilt moment | 45 lbf in 5 Nm | 45 lbf in 5 Nm | 90 lbf in 10 Nm | 90 lbf in 10 Nm |
| Weight | 0.5 lbs 1.1 kg | 0.6 lbs 1.3 kg | 1.55 lbs 3.4 kg | 1.8 lbs 4 kg |
| Max. power (at 150 rpm) | 0.08 HP 60 W | 0.16 HP 120 W | 0.22 HP 170 W | 0.30 HP 230 W |

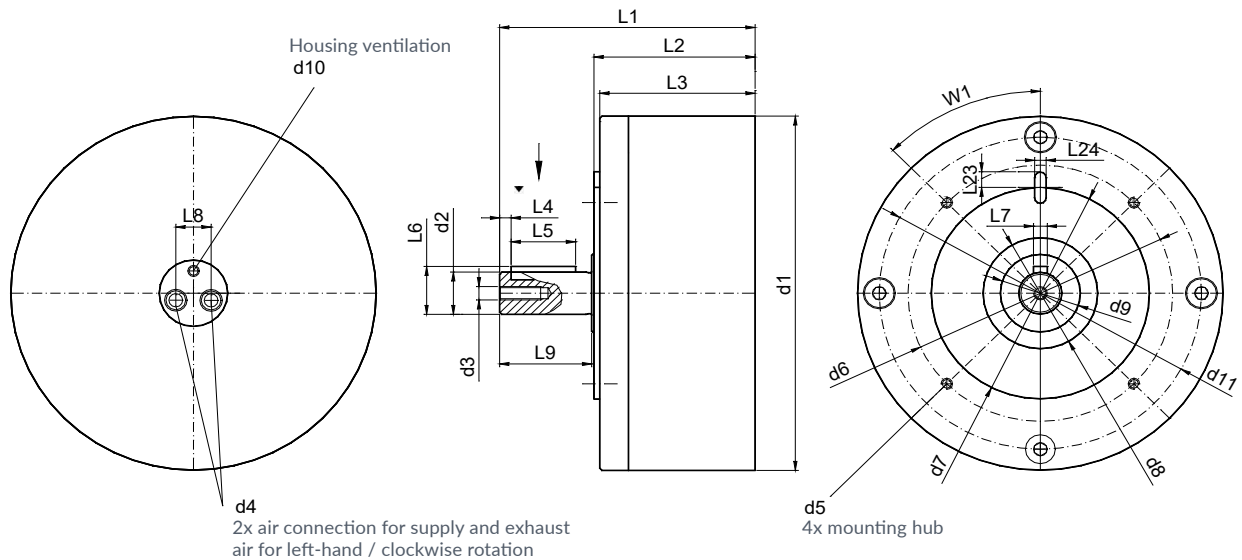
DRIVE SHAFTS

| Drive shaft for motor 450/900 | Art. No. |
|--|----------|
| Shaft Ø 0.55in 14mm smooth (with thread M4) | 1208 |
| Shaft Ø 0.75in 19mm smooth (with thread M4) | 1313 |
| Shaft Ø 0.94in 24mm smooth (with thread M4) | 1314 |
| Shaft Ø 0.55in 14mm with tongue and groove | 1315 |
| Shaft Ø 0.75in 19mm with tongue and groove | 1316 |
| Shaft Ø 0.94in 24mm with tongue and groove | 1317 |
| Threaded hub M12 | 1327 |
| Special shaft max. Ø 1.18in 30mm (with bearing flange max. Ø 1.10in 28mm) | 1318 |

| Drive shaft for motor 1800/3600/7200 | Art. No. |
|--|----------|
| Shaft Ø 0.75in 19mm smooth (with thread M6) | 1211 |
| Shaft Ø 0.94in 24mm smooth (with thread M6) | 1319 |
| Shaft Ø 1.26 32mm smooth (with thread M6) | 1320 |
| Shaft Ø 0.75in 19mm with tongue and groove | 1321 |
| Shaft Ø 0.94in 24mm with tongue and groove | 1322 |
| Shaft Ø 1.26 32mm with tongue and groove | 1323 |
| Threaded hub M16 | 1328 |
| Special shaft max. Ø 1.38 35mm (with bearing flange max. Ø 1.18in 30mm) | 1324 |

WE GENERATE MOVEMENT IN SPECIAL ENVIRONMENTS.

DIMENSIONS



| | Motor 0450 IP68 | Motor 0900 IP68 | Motor 1800 IP68 | Motor 3600 IP68 |
|-------|------------------|------------------|------------------|------------------|
| L1 | 3.07in 78mm | 3.64in 92.5mm | 4.37in 111mm | 5.24in 133 |
| L2 | 2.05in 52mm | 2.62in 66.5mm | 2.76in 70mm | 3.62in 92 |
| L3 | 1.99in 50.5mm | 2.56in 65mm | 2.66in 67.5mm | 3.52in 89.5 |
| L4 | 0.12in 3mm | 0.12in 3mm | 0.20in 5mm | 0.20in 5mm |
| L5 | 0.71in 18mm | 0.71in 18mm | 1.10in 28mm | 1.10in 28mm |
| L6 | 0.63in 16mm | 0.63in 16mm | 0.85in 21,5mm | 0.85in 21,5mm |
| L7 | 0.20in 5mm N9 | 0.20in 5mm N9 | 0.24in 6 N9mm | 0.24in 6 N9mm |
| L8 | 0.42in 10.6mm | 0.42in 10.6mm | 0.60in 15.3mm | 0.60in 15.3mm |
| L9 | 0.98in 25mm | 0.98in 25mm | 1.57in 40mm | 1.57in 40mm |
| L23 | 0.24in 6mm | 0.24in 6mm | 0.28in 7mm | 0.28in 7mm |
| L24 | 0.16in 4mm N9 | 0.16in 4mm N9 | 0.2in 5mm N9 | 0.2in 5mm N9 |
| d1 ø | 3.90in 99mm | 3.90in 99mm | 6.26in 159mm | 6.26in 159mm |
| d2 ø | 0.55in 14mm h6 | 0.55in 14mm h6 | 0.75in 19mm h6 | 0.75in 19mm h6 |
| d3 ø | M4x12mm | M4x12mm | M6x18mm | M6x18mm |
| d4 ø | M6x0.75x8mm | M6x0.75x8mm | R1/8x9mm | R1/8x9mm |
| d5 ø | M4x9mm | M4x9mm | M6x10mm | M6x10mm |
| d6 ø | 2.64in 67mm | 2.64in 67mm | 4.53in 115mm | 4.53in 115mm |
| d7 ø | 2.17in 55mm h6 | 2.17in 55mm h6 | 3.74in 95mm h6 | 3.74in 95mm h6 |
| d8 ø | 1.57in 40mm | 1.57in 40mm | 1.97in 50mm | 1.97in 50mm |
| d9 ø | 28in 28mm | 28in 28mm | 1.38in 35mm | 1.38in 35mm |
| d10 ø | M5x5mm | M5x5mm | M5x5mm | M5x5 |
| d11 ø | 3.43in 87mm | 3.43in 87mm | 5.51in 140mm | 5.51in 140mm |
| W1 | 45° | 45° | 45° | 45° |

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