

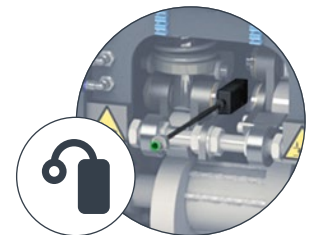
20
l/min



Ready for
Future




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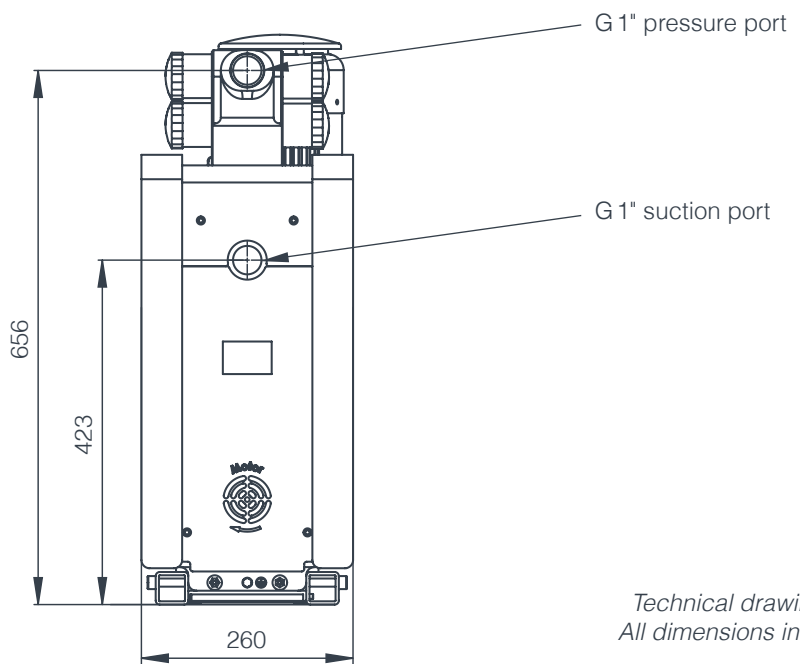
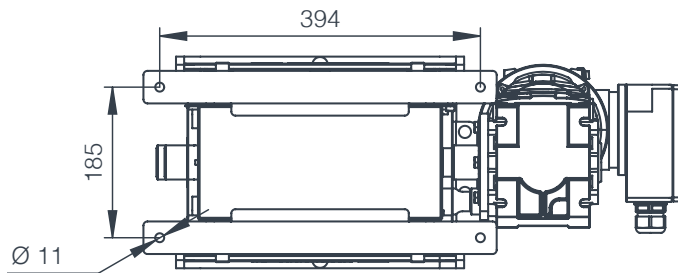
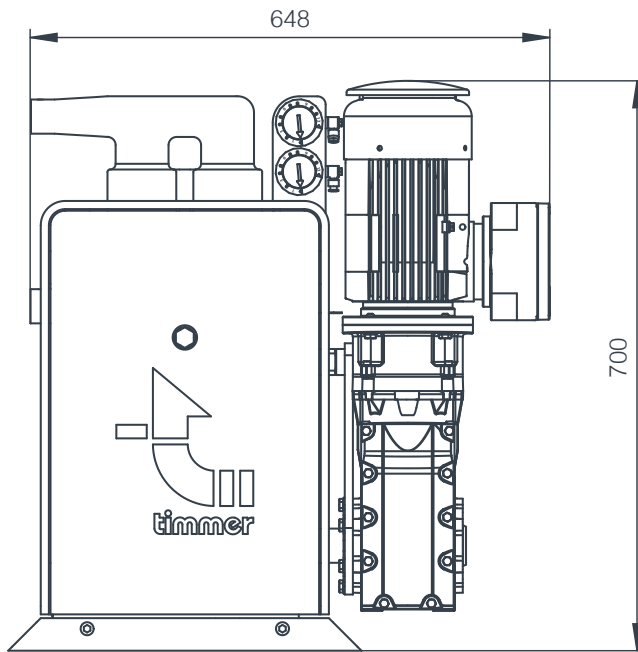
Integrated intelligent sensor (iHZ)

Optional



+

Integrated decentralised NON-ATEX Control



*Technical drawing:
All dimensions in mm*

PREMIUM electrical piston pump PTI-KPE2020

| Order no. | Type | Output | ATEX |
|-----------|------------------------------------|----------|------|
| 53602000 | PTI-KPE2020-VA-TF-PE-FEPM-EX-16bar | 20 l/min | ✓ |

The electric piston pumps of the tim[®]ECO series have been especially developed for larger paint supply systems. In addition to a small, compact design, which allows integrating the pumps without significant effort, especially in retrofit projects, the pumps of the series also provide many other benefits.

- Low-shear material flow that increases the service life of the medium.
- Continuous lubricators, which ensure permanent lubrication of the bearings.
- Matched piston drive kinematics

ensure a uniform media flow.

- Vertically arranged pistons, which ensure a uniform load on the piston seals and thus better service life.
- Short piping lengths resulting in lower paint filling volumes and thus less wetted surfaces, better rinsing capability and lower fluid consumption (paints, varnishes, solvents, etc.).

These variants are delivered with an intelligent IoT-enabled sensor, which allows real-time testing of the stroke signals via a customer PLC. With connection of our tim@IOT smartbox we

enable many useful new features that increase profitability, process reliability and facilitate preventive maintenance. Simply integrate our tim@IOT smartbox in your system and benefit from these advantages. All information in this regard is provided starting on page 84.

Technical data

| | |
|--------------------------------|---|
| Output (max.) | : Continuous 20 l/min (for water) |
| Pump pressure (max.) | : 16 bar (20 bar on request) |
| Drive | : Electrical gear motor |
| Possible install situation | : Horizontal |
| Fluid connections | : G 1" internal thread |
| Piston diameter | : 70 mm |
| Piston stroke | : 50 mm |
| Suction head, dry | : Approx. 6 m |
| Weight | : Approx. 132 kg |
| Noise level | : Approx. <70 dB(A) |
| Viscosity of the pumped medium | : To 15,000 mPas |
| Medium temperature | : Max. +5 °C to +60 °C |
| Ex protection | : ATEX (See the operating manual for additional information) |

Electrical data

| | |
|-----------------------|-------------------------------|
| Electrical connection | : 3 x 400 V / 50 Hz |
| Motor power | : Max. approx. 1.3 kW (87 Hz) |



Material

| | |
|----------------|-------------------------------------|
| Cylinder head | : Stainless steel |
| Cylinder block | : Stainless steel |
| Piston | : Stainless steel / ceramic coating |
| Bellows | : PTFE compound |
| Piston seal | : PE compound |
| Fluid seals | : FEPM |
| Valve balls | : Stainless steel |
| Valve seats | : Stainless steel |

Media

The pump is suitable for pumping various fluids (media).
Resistance to the media that will be pumped must be checked on a case-by-case basis.

We would be happy to advise you on the suitability for your specific application.

Features

Electrical piston pump PTI-KPE2020



| | |
|--|---|
| Pumping that is gentle on the material | ✓ |
| Process-reliable | ✓ |
| Good chemical resistance | ✓ |
| Low-maintenance | ✓ |
| Permanent lubrication system | ✓ |
| Small, compact design | ✓ |
| Ideally matched piston drive | ✓ |
| Constant delivery volume | ✓ |
| Low filling volume | ✓ |
| Short piping lengths | ✓ |