

MPP powered Test Pump

High-pressure pumps for the fast and automatic configuration of pressure tests in compression tests pertaining to EN 805



- Practice-orientated test pumps with electronic control unit for the simplified performance of compression tests pursuant to EN 805 (W 400-2 in Germany)
- Automatic pressure stabilisation for preset test pressure, which can be programmed in steps of 0.1 bar into the control unit
- High delivery capacity rate of 11 l/min and 68 l/min enable the generation of the required test pressure in less than 10 minutes, as required by the contraction procedure

PICTURES OF APPLICATION



MPP powered Test Pump

Pressure tests are a must for inspecting pipelines. The test pressure impact has a part in the realisation of the pressure test. The pressure generation has to take place within 10 minutes in the contraction procedure according to EN 805 and DVGW W 400-2. Pumps with high delivery rate are necessary for relatively small dimensions and pipe lengths. Two high-capacity pumps are available with the powered test pumps MPP 28-25, MPP 68-25 and MPP 68-35, which can not only apply test pressure. The test pumps electronic control unit enables automatic operation and uncomplicated input of test pressure in measures of 0.1bar. The pressure configuration takes place without pressure impact and the entire mechanics is specially designed for the requirements of pipeline construction. The test pressure is automatically created and monitored. A constant supervision is unnecessary during the pressure maintenance phase. The configuration of the pumps guarantees a water supply practical for building sites with filtering and all connections to the water extraction in pressure drop and pressure relief



Hygiene is becoming increasingly important

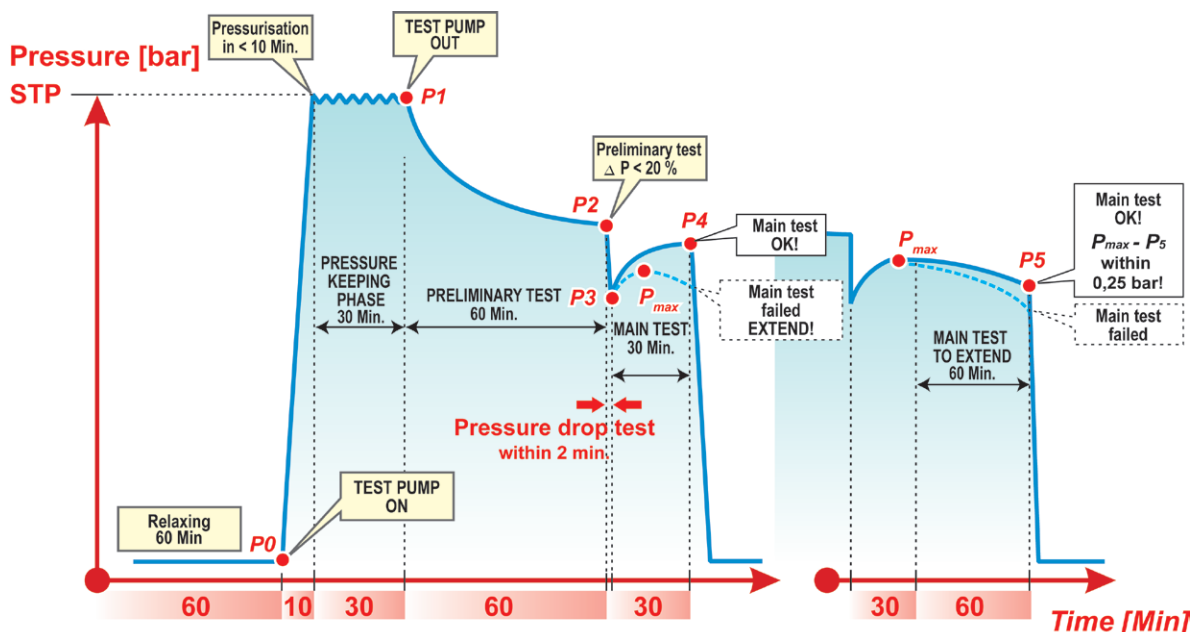
If the MPP is connected to the drinking water pipeline, then no holding tank is required. This makes it easy to keep the MPP clean, so that absolutely no costs are incurred for hygiene measures. The powered test pump can also be fed from a reserve tank if desired.

Powered test pump MPP 28 und 68

The pump is controlled via a program and a frequency converter to ensure particularly fine control when approaching the test pressure.

A GSM remote monitoring system is also available for the MPP 28 and MPP 68, if required. Inadmissible pressure deviations or power supply problems can be reported via text message to up to 10 different telephone numbers. Now, nothing stands in the way of even unsupervised continuous operation overnight. The MPP 28-25, with a delivery capacity of 28 litres per minute, can also be powered via a 230-volt power supply.

Despite the counter-pressure, the pump can be restarted at any time in order to maintain the test pressure



Powered test pump MPP 11



The compact MPP 11 with tubular frame.



- **For pressure testing short pipelines or pipelines with small diameters**
- **Electronically controlled pump performance ensures correct test pressure**
- **Compact size allows a high degree of mobility**

With a **delivery capacity of 11 litres per minute**, the MPP 11 is ideal for pressure testing short sections of pipeline and pipelines with a small volume. While similarly dimensioned test pumps on the market are mechanically regulated, the pump performance of the MPP 11 is electronically controlled. This ensures that the test pressure can be applied easily and precisely, in accordance with DVGW W 400-2: Setting the target pressure and starting the pump. Thanks to the compact size of 44 cm x 40 cm x 52 cm (h x w x d) and a weight of just 31.5 kg, no trolley is required.

Complete system with filter, valves and hoses

The powered test pump has the added advantages of precision and a robust design for building site use. The tester has a complete system at his disposal, including inlet filter, overpressure safety valves in various gradations, inlet hose and outlet pressure hose.

TECHNICAL DATA

| Technical data | MPP 28-25 | MPP 68-25 | MPP 68-35 | MPP 11 |
|--|--|--|--|--|
| Delivery qty | 28 l/min | 68 l/min | 68 l/min | 11 l/min |
| Connection value | 230 V – 50 Hz or 400 V – 50 Hz | 400 V – 50 Hz | 400 V – 50 Hz | 230 V – 50 Hz |
| Power consumption | 2.200 VA | 4.000 VA | 5.000 VA | 1.850 VA |
| Protection type | IP 54 | IP 54 | IP 54 | IP 54 |
| Max. test pressure | 25 bar | 25 bar | 35 bar | 25 bar |
| Test pressure | 0 to 25 bar in measures of 0.1 bar | 0 to 25 bar in measures of 0.1 bar | 0 to 35 bar in measures of 0.1 bar | 0 to 25 bar in measures of 0.1 bar |
| Safety | Safety valve | Safety valve | Safety valve | Safety valve |
| Decompression | Automatic/ manual | Automatic/ manual | Automatic/ manual | manual |
| GSM-remote monitoring | optional | optional | optional | - |
| Max test length for PE: (PE 100) for optimal ventilated pipe. SDR 11, STP 21 bar | DA 110 mm approx. 2.500 m, DA 160 mm approx. 1.200 m | DA 110 mm approx. 6.000 m, DA 160 mm approx. 3.000 m | DA 110 mm approx. 6.000 m, DA 160 mm approx. 3.000 m | DA 110 mm approx. 950 m, DA 160 mm approx. 450 m |
| | DA 225 mm approx. 600 m, DA 315 mm approx. 300 m | DA 225 mm approx. 1.450 m, DA 315 mm approx. 750 m | DA 225 mm approx. 1.450 m, DA 315 mm approx. 750 m | DA 225 mm approx. 230 m, DA 315 mm approx. 120 m |

ACCESSORIES FOR PRESSURE TESTS

402050 Pressure gauge



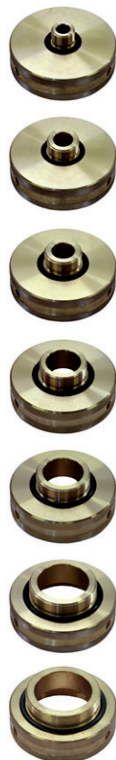
402002 Test head Heinz



402026 Adapter ventilation with sound absorber



402005 Standpipe hydrant



402015 Foot 2" AW



402079 Flansch DN 50

The Test head "Heinz" and associated testing adapters:

The Test head "Heinz" provides practical connections and the test adapters ensure a truly watertight transition to many different screw threads and fittings.

1. Pressure connection with large coupling for high flow rates.
2. Connection for pressure control gauge
2. Discharge coupling with ball valve for discharge hose or sound damper
4. Minimess connection for the DruckTest memo measurement device
5. Connection thread for a wide range of testing adapters - O-ring sealed

All quick-connect couplings can be locked for added safety and are protected against soiling. P-max = 60 bar

Available Test adapter:

| | | |
|------------|-----------------|---|
| G 1/2" | Item no. 402028 | with pre-assembled O-ring on sealing side |
| G 3/4" | Item no. 402029 | |
| G 1" | Item no. 402030 | |
| G 1 1/4" | Item no. 402031 | |
| G 1 1/2" | Item no. 402032 | |
| G 2" | Item no. 402033 | |
| G 2 1/4" | Item no. 402034 | |
| M 25 x 1,5 | Item no. 402035 | special adapter for FRIATEC |
| M 34 x 1,5 | Item no. 402036 | |
| Plasson | Item no. 402037 | adapter for Plasson |

Stainless-steel testing standpipe

The testing standpipe with all its components has been designed and tested for pressures of up to 30 bar. A Storz-C connection is provided for the water intake. The testing body can be fitted directly into the upper connector. Both connections are fitted with DN 50 stainless-steel ball valves. An additional valve is provided to allow sampling.

- Item no. 402005** Standpipe hydrant VA, foot DN 80
- Item no. 402083** Standpipe hydrant VA, Klaue DN 50
- Item no. 402015** Standpipe hydrant VA, foot 2" AW
- Item no. 402079** Standpipe hydrant VA, Flansch DN 50
- Item no. 402078** Standpipe extension to DN 50

Technical specifications subject to change! Status 2020/06



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