BASIC LINE

Brand schutz technik Müller

CFA Basic Carbon Dioxide Filling Unit

Transportable and inexpensive filling unit

Easy and safe filling of CO_2 from the liquid phase

Fig. 1: ***The CFA Basic is an inexpensive filling unit. A particular advantage is the low starting price with the option of extending the equipment at a later date should the requirements increase.***

All CO_2 bottles from 2 – 30 kg can be filled using the CFA Basic Carbon Dioxide Filling Unit. Various additional equipment guarantees that many other filling applications are possible.

For supplying CO_2 the unit can be connected to CO_2 bottles with an ascending pipe or to CO_2 medium-pressure tanks (approx. 50 bar). The filling valve and the connection hoses are supplied as standard items.

The unit inlet contains a special steel filter which protects the pump from impurities from the CO_2 storage bottle or the CO_2 storage tank.

Internal CO_2 cartridges, external CO_2 bottles and CO_2 fire extinguishers up to 6 kg can alternatively be filled with the supplementary component Basic Digital and with the Basic F2 and Basic F3 filling heads which are available as accessories.

Fig. 2: ***Space saving placement of the Basic Digital supplementary unit directly on top of the CFA Basic pump unit.***

Accessories (extra charge):

Fig. 3: Digital floor scales for CO_2 bottles 2 – 30 kg, with programmable display unit and automatic cut-out, including drop-down ramp (without bottle).
(Filling valve and connection hose are already supplied with the CFA Basic as a standard item)
Art. No. 186149

Holder for a CO_2 storage bottle
Art. No. 186330

Collecting line for connecting 2 to a maximum of 6 CO_2 storage bottles (with ascending pipes)
Art. No. 186106
(per connection)

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Modular filling concept with expandable applications

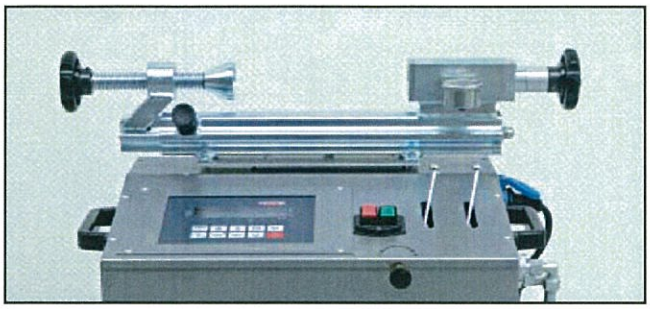

Fig. 4: Basic Digital Supplementary component with automatically cutting-out scales and Basic F1 filling head for internal CO_2 cartridges
Art. No. 186197

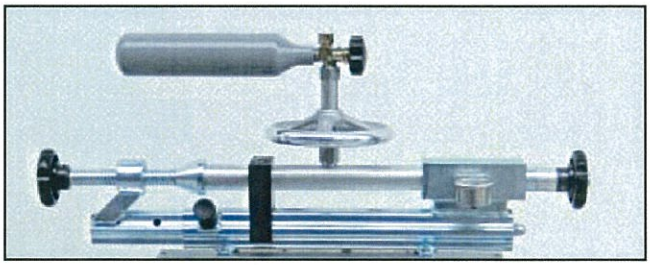

Fig. 5: Basic F2 filling head for external CO_2 bottles with turning valve up to 300 g
Art. No. 186192

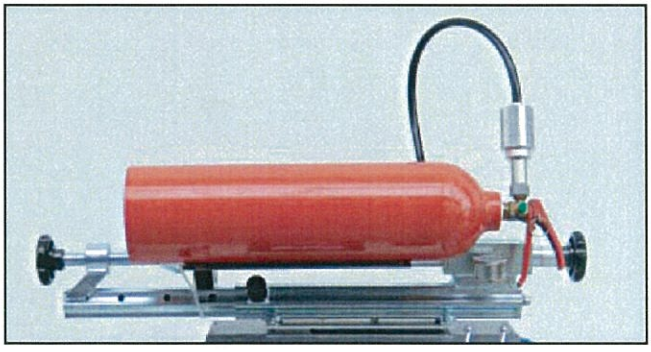

Fig. 6: Basic F3 filling head for CO_2 fire extinguishers, 2 - 6 kg
Art. No. 186193

Additional accessories

for filling CO_2 cartridges which are compatible with the Basic F1 filling head (please state make and model of the fire extinguisher):

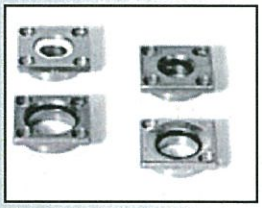

Fig. 7: (examples) Attachment flanges
Art. No. 186108

Fig. 8: (examples) Locking inserts
Art. No. 186105

Technical data for CFA Basic

(EN ISO 12100-1, EN ISO 12100-2, EN 60204)

Art. No. 186196
Filling output: 4.8 kg/min

Art. No. 186198
Filling output: 2.4 kg/min

CE

Protection class: IP54

Mechanical safety valve: 130 bar

Electric motor:
230 V, 50 Hz, 1.1 kW, 1400 min^{-1}
Special voltages and other frequencies available on request

5 m cable feed, oil and acid-resistant: H07RN-F 3 G 1.5 mm^2

Weight: 42 kg

Dimensions:
305 mm height
510 mm width
440 mm depth

Colour:
Silver grey

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BASIC LINE

Brand schutz technik Müller

PSM MINI Basic Powder Suction Machine

Ideal for inspections in small firms and private households

Small lightweight machine with mechanical rewinding mechanism

The PSM MINI Basic Powder Suction machine is suitable for servicing and (re)filling fire extinguishers from 1 - 12 kg with all types of fire extinguishing powder.

The reversing process is controlled mechanically. Reversing is used to clean filters and speed up the fire extinguisher powder filling process.

The storage tank of the PSM MINI Basic holds 12 kg of fire extinguishing powder. It is the only machine in this performance class that has a mechanical reversing mechanism with an automatic non-return valve.

Fig. 1: ***The PSM MINI Basic is a very light and transportable refilling system. If the inspection venue has to be frequently changed, this powder suction machine has tremendous advantages. Owing to its light construction, it is also ideal for small service vehicles.***

Fig. 2: ***In the transport position the PSM MINI Basic is very low and therefore easy to transport. Owing to the large transport wheels, staircase steps can also be surmounted.***

Fig. 3: ***If several fire extinguishers of the same type have to be serviced, two fire extinguishers can be handled simultaneously. While one fire extinguishing container is being emptied with the suction pipe, a second can be filled with the purified fire extinguishing powder under the storage tank at the same time.***

Accessories (extra charge):

Vehicle fixture
Art. No. 186004

High-grade steel suction pipes
from 8 ⌀ to 32 ⌀ mm outside diameter
Art. No. 186005 (per suction pipe)

Adapter for non-freely accessible container openings
Art. No. 186007

Various scales for checking the filling quantity
(on request)

For stored pressure extinguishers it is not necessary to reduce pressure before emptying.

Technical data for the PSM MINI Basic

(EN ISO 12100-1, EN ISO 12100-2, EN 60204)

Art. No. 186000 CE

Capacity of the storage tank: 12 kg
Set of filter cartridges:
high-grade steel sieve and 10 filter elements
For filling opening of fire extinguishers: 28 - 100 mm
Reversing process: mechanical

Electric motor:
230 V, 50 - 60 Hz, 1.2 kW, 25670 min^{-1}
Suction capacity: 2050 l/min

5 m cable feed line, oil and acid resistant
H07RN-F 3 G 1.5 mm^2

Transport wheels: 160 mm ⌀, with roller bearings

Suction hose: 32 ⌀ x 1400 mm
Suction pipe: PVC 25 ⌀ x 780 mm

Weight: 34 kg

Dimensions:
885 mm transport height
1270 mm max. working height
500 mm width
545 mm depth

Colour:
Silver grey

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BASIC LINE

Brand schutz technik Müller

HPP Basic Hydrant Testing Pump
STG Basic Hose Drying Device

Hydrant testing pump and hose drying device from the "Basic Line" series with optimal price/performance ratio

Safe pressure testing of wall hydrants and fire brigade pressure hoses

Effective drying of fire brigade pressure hoses

Mobile and easily transportable devices for on site inspections

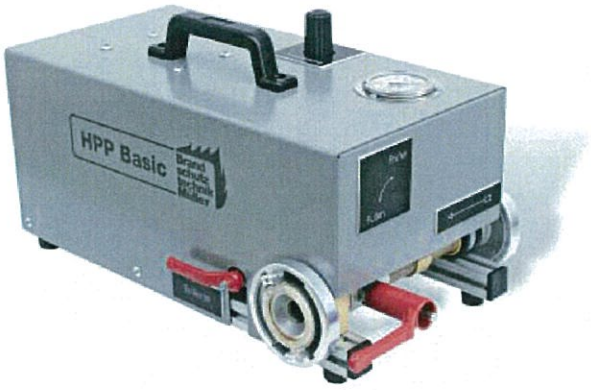

Fig. 1: ***The HPP Basic hydrant testing pump is designed for testing rising mains and fire brigade pressure hoses on a mobile basis. It is a compact device with high, controllable pressure output.***

HPP Basic Hydrant Testing Pump

The HPP Basic Hydrant Testing Pump is a compact device with varying high, adjustable pressure output, suitable for testing hydrant rising mains and water pressure hoses on a mobile basis.

The 3-piston water pump provides the pressure, which can be infinitely adjusted with a pressure controller.

The adjusted pressure can be read off on the glycerine-filled manometer "M".

Operation

The device is easy to operate (Fig. 2 and 3):

Using the handle the device can be easily carried to the testing place.

After the fire brigade pressure hose to be tested has been connected it is filled with water by opening the ball valve "F".

Then the ball valve "R" must be closed to avoid pressure blowback into the filling line.

After that the pressure is built up by starting the motor with switch "S".

With the control knob "D" the pressure can be adjusted and it can be read off on the manometer "M".

After the test the pressure is released using the ball valve "E".

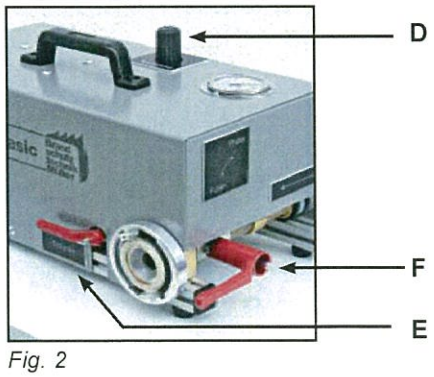

Fig. 2

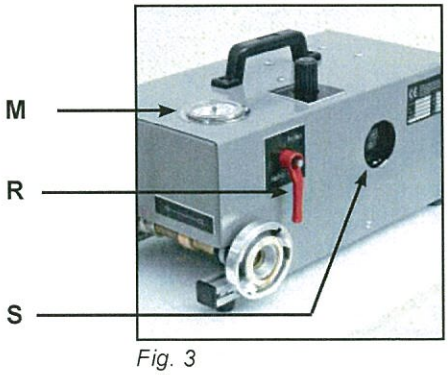

Fig. 3

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STG Basic Hose Drying Device

Carriage

Available as accessory there's a carriage kit for making the HPP Basic mobile.

Therefore a red handle is bolted under the carrying handle. Two wheels have to be attached to the basic frame on one side, and the other side will get supporting feet for height adjustment.

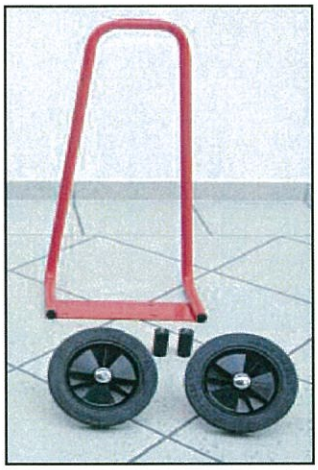

Fig. 4: ***Parts of the carriage kit for HPP Basic***

Fig. 5: ***The STG Basic Hose Drying Device is used for drying fire brigade pressure hoses. It has an electric air heater.***

Accessories (extra charge):

Fig. 4: Carriage kit for HPP Basic
Art. No. 186587

Size C - D transition piece
Art. No. 186551

Size B - C transition piece
Art. No. 186552

Size C hose seal with automatic ventilating valve
Art. No. 186553

Size C retaining washer
Art. No. 186554

Size C coupling on ¾ inch external thread for water inlet
Art. No. 186555

For drying, one end of the inside wet fire brigade pressure hose is connected to the C-Storz coupling of the STG Basic Hose Drying Device. The other end of the hose must be free so that the air can escape.

The device has an air output of approximately 1600 l/min. The heating power output is 1200 W.

The device consists of a steel tube frame, an electric motor with a side channel blower and flange mounted air heater and a C-Storz coupling connection.

The motor and the air heater are protected by a galvanised sheet steel housing.

A 5 m long cable and a cam switch are used to supply power.

Technical data for HPP Basic

(EN ISO 12100-1, EN ISO 12100-2, EN 60204)

CE

Protection Class: IP54

Art. No. 186585
Working pressure: max. 16 bar, adjustable

Art. No. 186586
Working pressure: max. 30 bar, adjustable

Filling capacity: 11 l/min

Electric motor:

230 V, 50 Hz, 2.2 kW, 2800 min^{-1}

5 m cable feed, oil and acid-resistant H07RN-F 3 G 1.5 mm^2

Optional transport wheels: 165 mm ø

Weight: 30 kg

Dimensions:
300 mm height
520 mm width
330 mm depth

Colour:
Silver grey

Technical data for STG Basic

(EN ISO 12100-1, EN ISO 12100-2, EN 60204)

CE

Protection Class: IP54

Art. No. 186534
Air output: 1600 l/min

Electric motor:
230 V, 50 Hz, 0.75 kW, 2840 min^{-1}

Air heater:
230 V, 50 Hz, 1200 W

5 m cable feed, oil and acid-resistant H07RN-F 3 G 1.5 mm^2

Weight: 24 kg

Dimensions:
385 mm height
300 mm width
445 mm depth

Colour:
Silver Grey

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