

Company Profile



The Company

Brandschutztechnik Müller GmbH



- Headquarter: Zierenberg | Hessen
- Founded 1980
- Subsidiary in: Günthersleben | Thuringia (since 1992)
- Family operated company
- General Managers: Herbert Müller, Ingrid Müller, Nadine Müller
- Divided into the branches:
 - Specialised trade for fire equipment
 - Manufacturing Division
- 63 employees

The Company

Brandschutztechnik Müller GmbH



Manufacturing Division in Zierenberg

Production of equipment for the service of fire extinguishers

- Powder Suction Machines
- Water- Foam systems
- Carbon Dioxide Filling stations
- Test and service equipment

Production of High Pressure Fire Extinguishing Systems

Manufacturing Division

Our guidelines

- Made in Germany
- High in-house production depth
- Sustainability
- Reliability
- Innovation
- Long lasting business partnerships



Manufacturing Division

Brandschutztechnik Müller global

World wide represented



Export rate 60 %

Manufacturing Division

Our customers



- ✓ Government authorities such as Fire Brigades, Civil Defence Organisations, Military and others.
- ✓ Industrial enterprises such as Vattenfall, VW, BMW etc.
- ✓ Companies in the field of Fire Protection Servicing

Manufacturing Division

Our products (examples)

- Powder Suction Machines



PSM Junior approved since more than 30 years



Powder Filling System PFS

Manufacturing Division

Our products (examples)

- **Water- / Foam-Systems**



Stationary Filling and Emptying System for
Water- / Foam extinguishers



FES Liquid Mobil

Manufacturing Division

Our products (examples)

- Carbon Dioxide Filling Stations



CFA Basic Economy model for CO2-filling

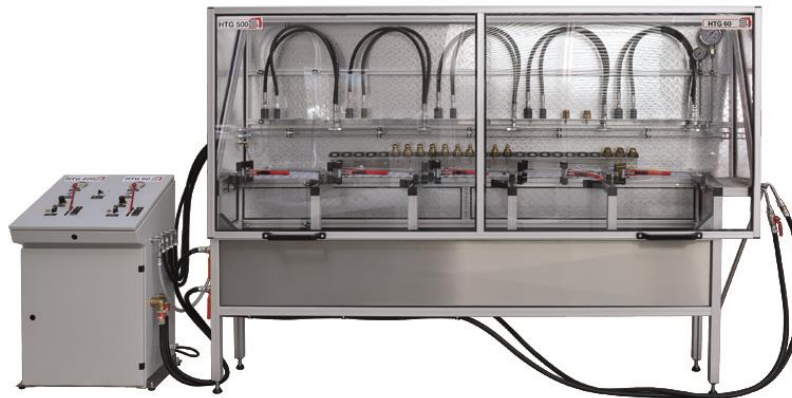


CFA 2 CO2 Filling Station with floor scales

Manufacturing Division

Our products (examples)

- Equipment for respiratory equipment workshops



HTG 500 / 60 hydrostatic testing device

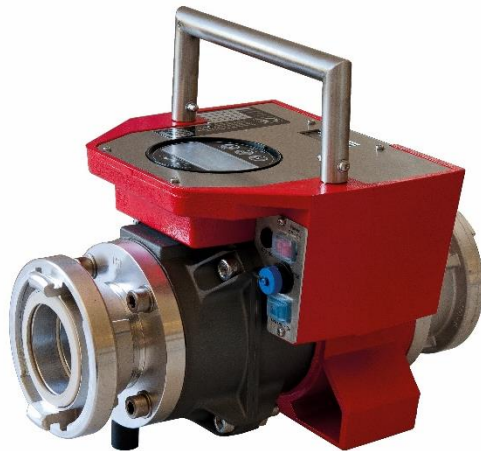


SVPD Rotatable pneumatic clamping device

Manufacturing Division

Our products (examples)

- Water flow & pressure measuring devices



Flowmaster measuring device



Flowmaster Transport Trolley

Manufacturing Division

Our products (examples)

- Testing equipment for riser pipes (dry or wet)



DMT 600



Hydrant testing pump



Flowmeter for small volume flows

Manufacturing Division

Our products (examples)

- Test evaluation software for dry riser pipes



Erstellt durch:
Hilkebrand Feuerschutz
Am Kiesrain 11
34295 Edermünde

Kunden Nr.: 0

Prüfbericht
Durchflußmessung Trockensteigleitung 600l/min

Seite 20.06.2016
1 / 1

Trockensteigleitung Nr.: Ostring 25

Daten zur Messung:

Messzeit: 11:57:32 Messung vom: 16.06.2016

Geodätische Höhe: 16 meter ermittelt ☒ bekannt ☐

Sollwert Einspeisung: 5,1 bar

Istwert Einspeisung: 5,7 bar (bei 3,5bar und d=22mm ± 600 l/min)

Differenz: 0,6 bar (< 1bar lt. DIN 14462:2012-09)

Ergebnis:

Die Trockensteigleitung liefert bei 3,5bar Einspeisedruck + Höhendruckdifferenz eine Mindestwassermenge von 600l/min ja ☒ nein ☐

Prüfung wurde durchgeführt von:

Ort, Unterschrift

Druckverlauf

Test-report of DMT 600 software

Manufacturing Division

Our products (examples)

- Custom made products



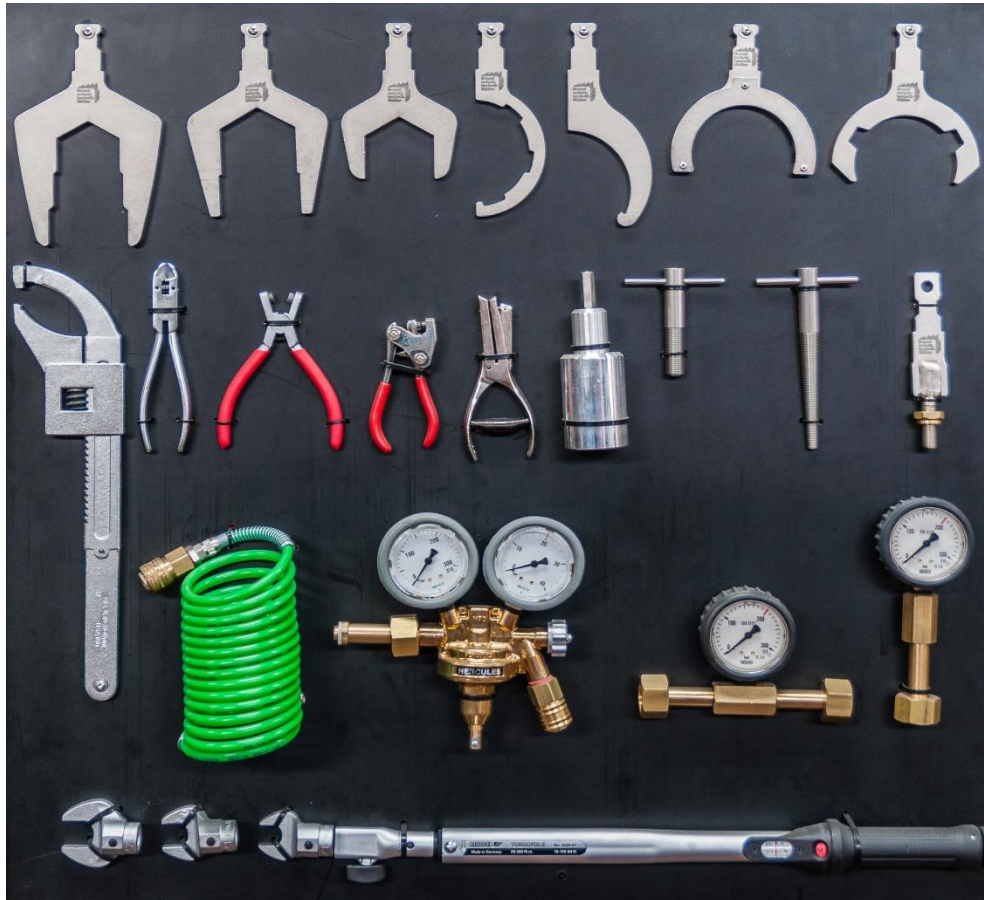
Testing equipment for
pressure testing of gas
bottles made from
compound material



Manufacturing Division

Our products (examples)

- Special tools and accessories



Our business objective:

Providing optimal benefits to our clients with our products:

We achieve this by:

- **Constant product development since more than 30 years**
- **Robust and simple construction**
- **Usage of standard parts**
- **Little service effort**
- **Ideal spare part availability**
- **Low cost of ownership due to fair spare part prices**
- **High machine availability**



Questions so far ?

Manufacturing Division

Hydrant testing



Tempering water installations

Planning, installation, operation and maintenance

**Based on German Standard DIN 14462
which was published in 09.2012**

Manufacturing Division

Hydrant testing

Types of hydrants:

Wall mounted types

Type S: 24 L /min at 2 bar minimum

Type F: 100 L/min at 3 bar minimum

(only used by fire brigade)

alternative

Type F with 200 L/min at 4,5 bar minimum



Manufacturing Division

Hydrant testing

Testing equipment for wall hydrants:



Hydrant testing pump manual



Hydrant testing set HPS



Flowmeter 190 D

Manufacturing Division

Hydrant testing

Hydrant testing pump manual



Testing of static and flow pressure as well as flowrate with one device

- Manual testing pump
- Water tank 50 litre capacity
- Water supply chart for determination of the water flow

Accessories:

- Pneumatic hose draining
- Electric emptying pump



Manufacturing Division

Hydrant testing

Water supply chart according DIN 14200



Wasserlieferung/Flow rates (l/min)						
Druck/ Pressure (bar)	Düse/nozzle					
	4mm	6mm	9mm	12mm	16mm	22mm
1	11	24	54	96	170	322
2	15	34	76	136	241	456
3	18	42	93	166	295	558
4	21	48	108	192	341	645
5	24	54	121	214	381	721
6	26	59	132	235	418	790
7	28	63	143	254	451	853
8	30	68	153	271	482	912
9	32	72	162	288	511	967
10	34	76	171	303	539	1019
11	35	80	179	318	565	1069
12	37	83	187	332	591	1117
13	38	86	195	346	615	1162
14	40	90	202	359	638	1206
15	41	93	209	371	660	1248
16	43	96	216	384	682	1289

Manufacturing Division

Hydrant testing

Types of hydrants:

Pillar hydrant DN 80: 800 L/Min at 1,5 bar
alternative

Pillar hydrant DN 100: 1600 L/Min at 1,5 bar

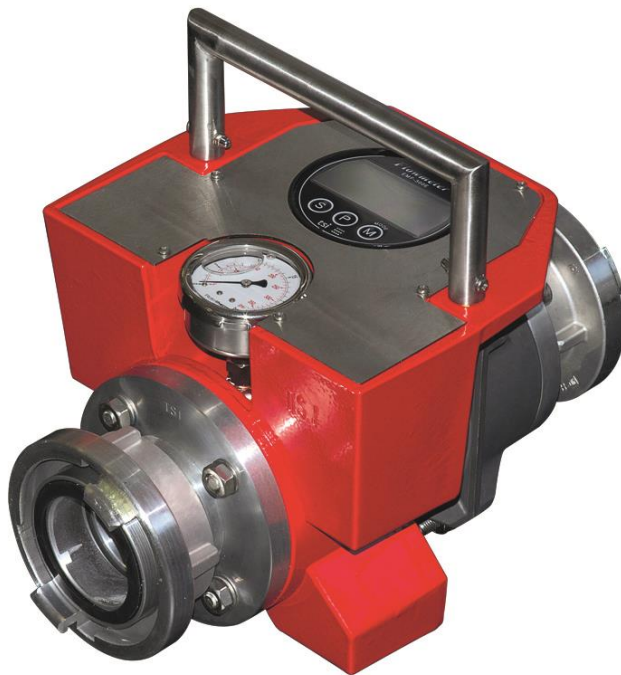
Underground hydrant DN 80 800 L/Min at
1,5 bar.



Manufacturing Division

Hydrant testing

Testing equipment for pillar and underfloor hydrants:



Flowmaster analog

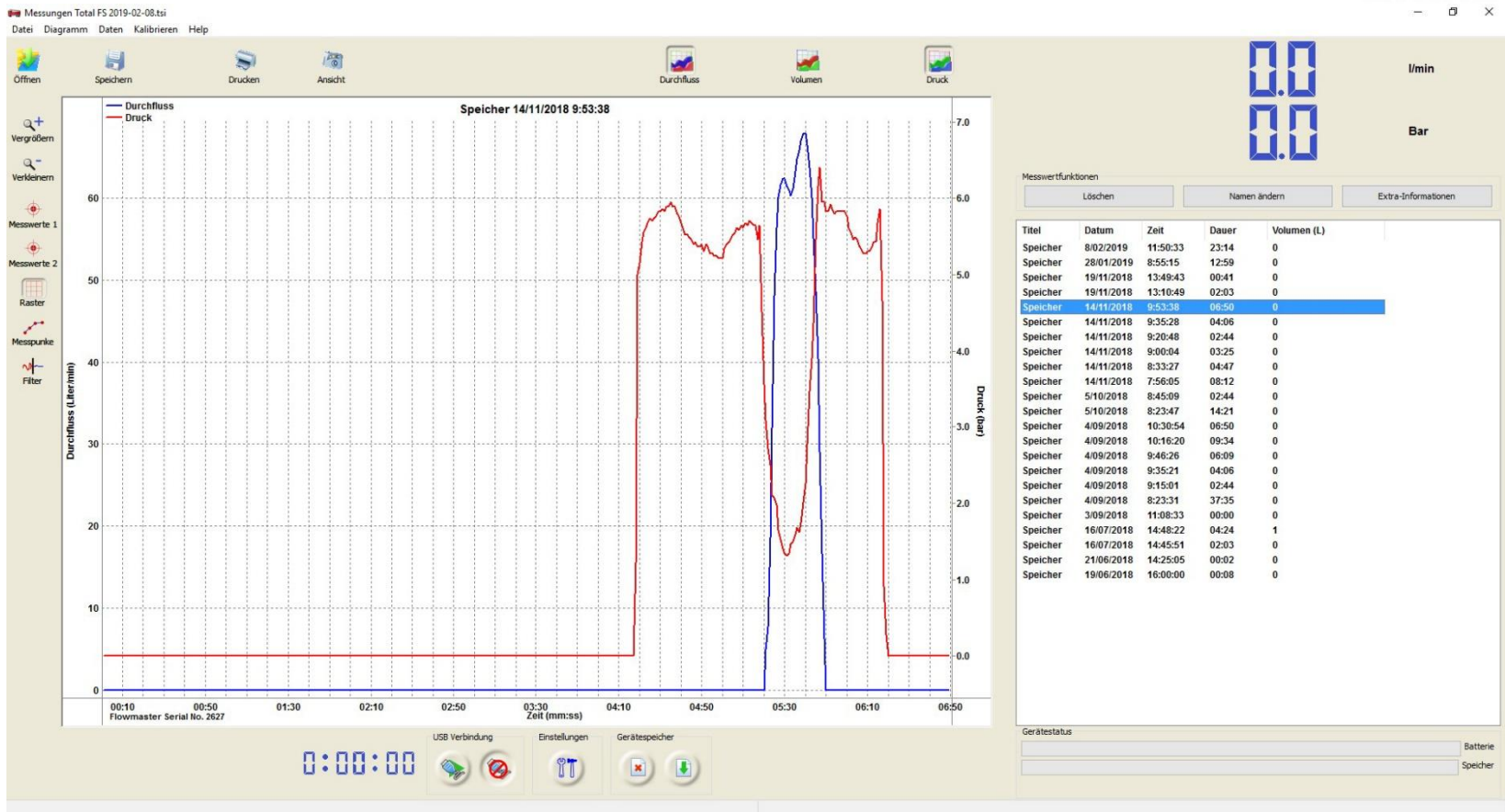


Flowmaster digital

Manufacturing Division

Hydrant testing

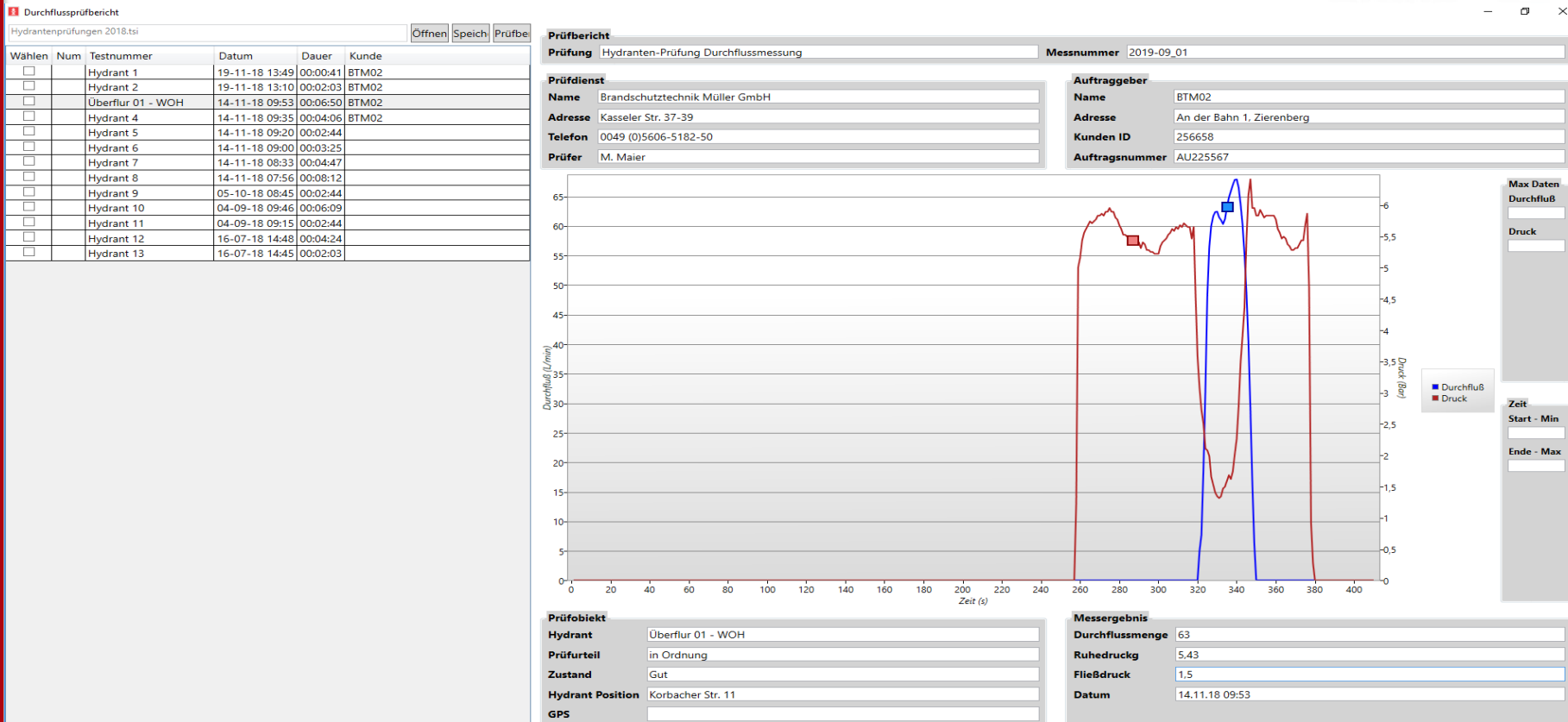
Software for Flowmaster digital



Manufacturing Division

Hydrant testing

Software for Flowmaster customer protocol



Manufacturing Division

Hydrant testing

Working with Flowmaster



Manufacturing Division

Hydrant testing

Accessories for Flowmaster



Transportation case



Kit for pump testing



Pressure annihlator



Socket slide valve

Manufacturing Division

Hydrant testing

Electric Hydrant testing pump HPP



Hydrant testing pump with plug on manifold for hose testing as accessory
Maximum pressure 30 bar adjustable
Maximum flow 12 l/min

Manufacturing Division

Hydrant testing

Hose drying device STG



Hose drying device with plug on hose winder as accessory

Air output 1600 l/min

Air temperature adjusted to 50 degree C

Manufacturing Division

Testing of dry riser pipes

The DMT System



According DIN 14462 dry riser pipes need to be tested
Minimum performance 600 l/min.

The picture shows the traditional way



With the DMT System the test can be done with little equipment, little quantity of water and it is perfectly documented.

But this is a new story



Any questions

Thank you for your attention !