



equipment for extinguishers & cylinders

EQUIPMENT AND TECHNOLOGY FOR CYLINDER / EXTINGUISHER FILLING, MAINTENANCE AND TESTING



JULY 2019

www.damotek.com
www.pwent.eu



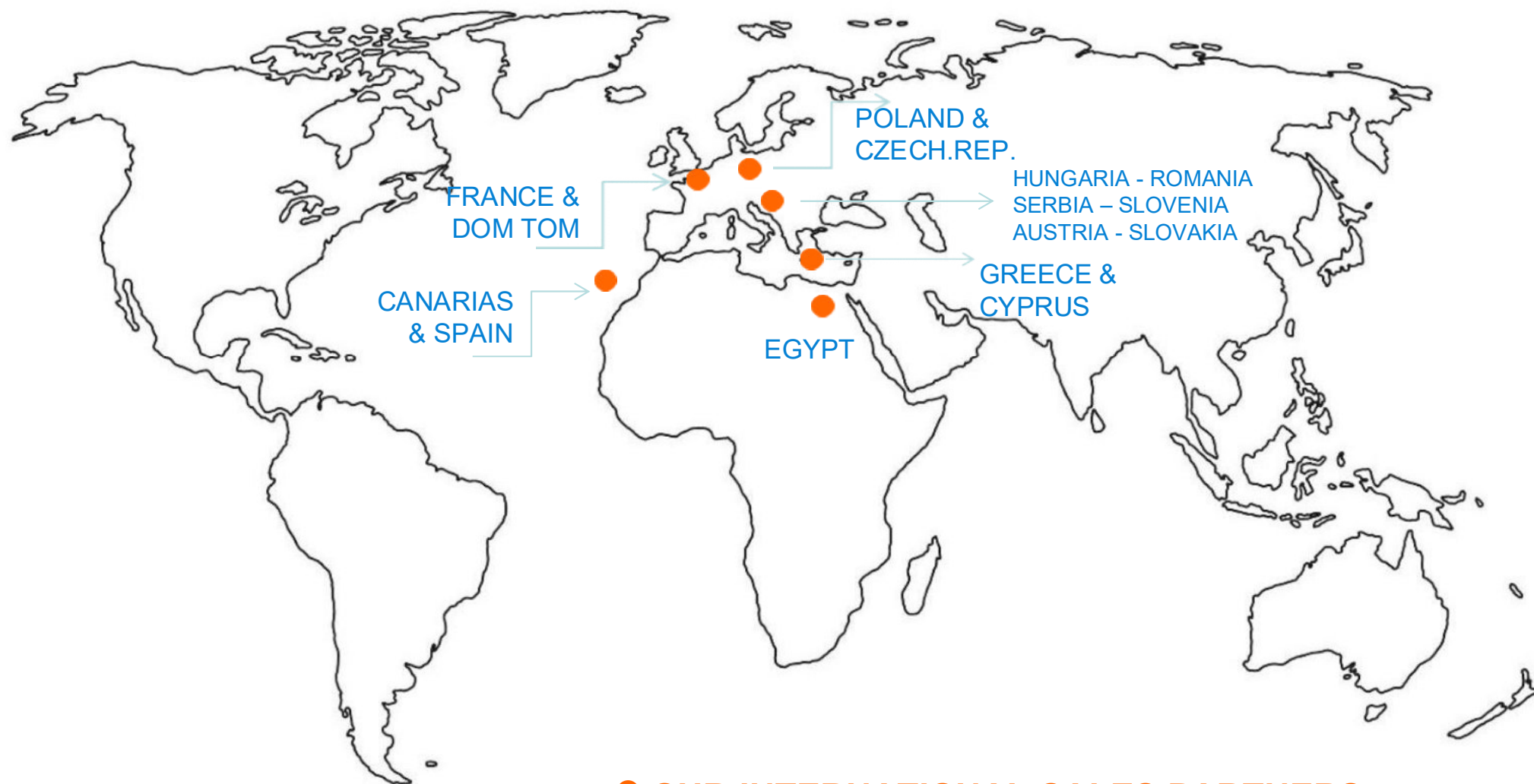
- > **DAMOTEK** is one of the major manufacturers of equipment dedicated to fire extinguisher and cylinder service, testing and filling.
- > **35 years of experience**
Established in 1982, the company has been working with most relevant *gas, fire & safety* organizations and multinational groups
- > **WORLDWIDE PRESENCE / Export > 60%**
The company markets his products in nearly every country throughout the world, mainly in Europe, Northern Africa, Middle & Far East, U.S.A.
- > **DAMOTEK** owns a comprehensive range of safe and efficient units for the following applications:



- > **CLEAN AGENT FILLING AND RECOVERY**
- > **INERT GAS FILLING**
- > **DCP EXTINGUISHER SERVICE AND TESTING**
- > **CO₂ CYLINDER FILLING**
- > **CYLINDER MAINTENANCE AND TESTING**
- > **CYLINDER TREATMENT AND POST FILLING**
- > **REFRIGERANT GAS FILLING AND RECOVERY**

OUR PRESENCE WORLDWIDE

DAMOTEK
equipment for extinguishers & cylinders



● OUR INTERNATIONAL SALES PARTNERS

DRY POWDER FILLING

DAMOTEK
equipment for extinguishers & cylinders

BASIC FILLING

TOTEM M



HEAVY-DUTY COMPACT FILLING

TOTEM MTS



HEAVY-DUTY FILLING

TOTEM TS



DRY POWDER FILLING

DAMOTEK
equipment for extinguishers & cylinders



Servicing all types of
fire extinguishers and
stationary tanks also
installed on-board
service truck

TOTEM GALAXY II



TOTEM GALAXY

DRY POWDER FILLING

DAMOTEK
equipment for extinguishers & cylinders

**MEDIUM / HIGH PRODUCTIVITY
SEMI-AUTOMATIC FILLING STATION**

TOTEM MATIC



DRY POWDER FILLING

DAMOTEK
equipment for extinguishers & cylinders

HIGH PRODUCTIVITY AUTOMATIC FILLING STATION

TOTEM AUTO BAG



DRY POWDER EXTINGUISHER SERVICE

DAMOTEK
equipment for extinguishers & cylinders

**AUTOMATIC PORTABLE
WORKSHOP FOR
POWDER EXTINGUISHER
SERVICE**

TOTEM MATIC CAR



MOBILE WORKSHOP FOR EXTINGUISHER SERVICE

DAMOTEK
equipment for extinguishers & cylinders

TRANSPORTABLE WORKSHOP
FOR CO₂/POWDER
EXTINGUISHER MAINTENANCE

SKID AC/FG8



DRY POWDER RECOVERY

DAMOTEK
equipment for extinguishers & cylinders

TOTEM BAG

UNIT FOR RECOVERING
EXHAUSTED POWDERS
FROM EXTINGUISHERS
DIRECTLY INTO BIG-BAG
CONTAINERS



DRY POWDER EXTINGUISHER SERVICE

DAMOTEK
equipment for extinguishers & cylinders

ACCESSORIES



MANUAL VICES



ELECTRONIC SCALES



PNEUMATIC VICES &
EXT PRESS REF

CADDIE BENCH
ON-SITE SERVICE
TROLLEY



CO2 FILLING

CYLINDER TO CYLINDER CO₂ TRANSFER

103/D1
Pump for liquid
CO₂ transfer



99/D1
Pump for cylinder to
cylinder liquid CO₂ transfer



CO2 FILLING

CYLINDER TO CYLINDER CO₂ TRANSFER



99D3 SODA
For recharging CO2
cartridges and
cylinders used to
gasify water,
beverages, beer



151MIX
CO2 + N2 filling of
cylinders inflating
the life-rafts



CO2 FILLING

CO2 TRANSFER FROM CRYOGENIC TANK TO CYLINDER

103/FCD222B-1



**COMPACT CO2
PUMPING AND
FILLING SYSTEM
FROM TANK**

CO2 FILLING

CO2 FILLING STATION FROM CRYOGENIC TANK TO CYLINDERS / EXTINGUISHERS

FCD series



103/D series



CO2 FILLING

CO2 PUMPING FROM CRYOGENIC TANK TO CYLINDER



FCD/103 SNOW

AUTOMATIC CO2 PUMPING STATION FROM CRYOGENIC TANK



- CRYOSNOW
- AEROSOL SPRAY
- PLASTIC EXTRUSION / FOAMING
- SUPERCRITIC CO2

EXTINGUISHER AND PORTABLE CYLINDER MAINTENANCE AND SERVICE

DAMOTEK
equipment for extinguishers & cylinders



N7/4 – WSR
Testing unit

FIT 350
Hydraulic testing unit



N7/4 + HT MANIFOLD
Pump + testing manifold



CYLINDER TESTING

HYDROSTATIC TEST OF CYLINDERS BY EXPANSION TEST

WATER JACKET



DOT CYLINDERS



CYLINDER TESTING

DAMOTEK
equipment for extinguishers & cylinders

HYDROSTATIC TEST OF CYLINDERS BY PROOF TEST

FIT series



FPF50
Protection guard



CYLINDER TESTING



FIT-6-EVO

HYDROSTATIC TEST OF CYLINDERS BY PROOF TEST

AUTOMATED OPERATIONS:

- CYLINDER FILLING
- HIGH PRESSURE TESTING
- CYLINDER EMPTYING
- CYLINDER DRYING



CYLINDER TESTING

AUTOMATED TESTING BENCH

FIT-6-EVO



CYLINDER TESTING

DAMOTEK
equipment for extinguishers & cylinders



FIT-6-EVO



CYLINDER TESTING

DAMOTEK
equipment for extinguishers & cylinders

FIT-6-EVO



CYLINDER TESTING

DAMOTEK
equipment for extinguishers & cylinders

FIT-6-EVO + DRY-VAP

INTEGRATED ADVANCED
SUPERHEATED DRYING
SYSTEM



CYLINDER MAINTENANCE AND TESTING

HYDRAULIC TEST QUICK CONNECTIONS



HTQ12 for 17E

HTQ34 for 25E

HTQ10 for 1"NGT



AVAILABLE ADAPTERS FOR PARALLEL THREADS



CYLINDER MAINTENANCE AND TESTING

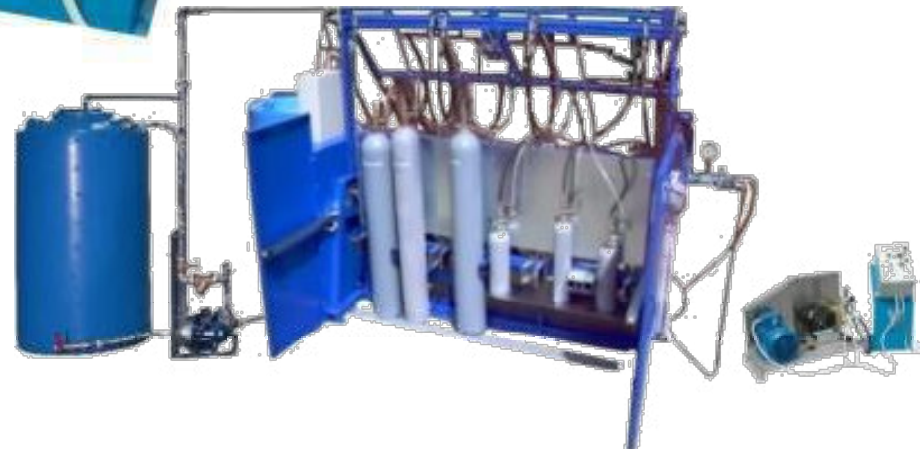
DAMOTEK
equipment for extinguishers & cylinders

ELECTRIC HIGH PRESSURE PUMP FOR HYDRAULIC TESTING



HIGH FLOW!
Test at 450 bar q.ty 6 x 50L
cylinders in less than 1'

N7 series



LOW PRESSURE HYDRAULIC TESTING BENCH

DAMOTEK
equipment for extinguishers & cylinders

FIT50 LOW



SUITABLE TO TEST:

- LPG CYLINDERS
- REFRIGERANT GAS CYLINDERS

CYLINDER MAINTENANCE AND TESTING

CYLINDER DRYING UNITS

CIL



DRY



CYLINDER MAINTENANCE AND TESTING

ELECTRIC VALVING / DEVALVING UNIT

EL60



Available also
the ATEX version



Vulcanized
rubber jaws



HEAVY FRONT
PROTECTION
ELPA-HY



Special KEY for
any type of valve



CYLINDER MAINTENANCE AND TESTING

ELECTRIC VALVING / DEVALVING UNIT Optional electronic torque display and controls

Electronic torque
display ELCC



Load cell



Torque display
automatic stop

Electronic torque control
ELCC TORQUE



Magneto-resistive inline
torque sensor 500 Nm



PLC inverter color
touch-screen display



CYLINDER MAINTENANCE AND TESTING

DAMOTEK
equipment for extinguishers & cylinders

UNIT FOR CYLINDER EXTERNAL CLEANING

RCP270

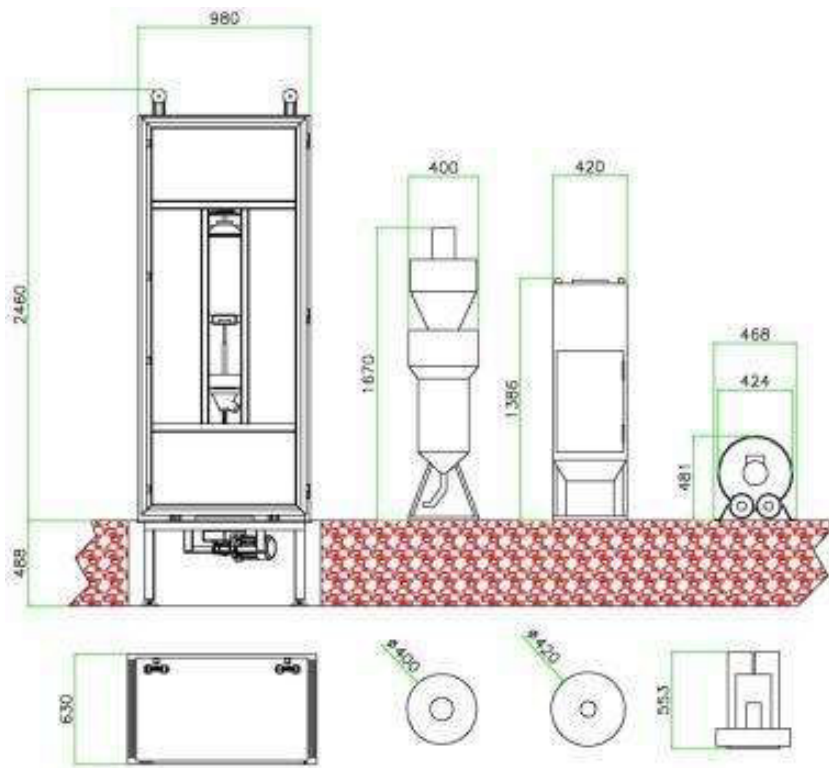


CYLINDER INTERNAL CLEANING

AUTOMATED UNIT FOR CYLINDER INTERNAL CLEANING

Suitable for portable and
SCUBA cylinders

ICS80-A-180



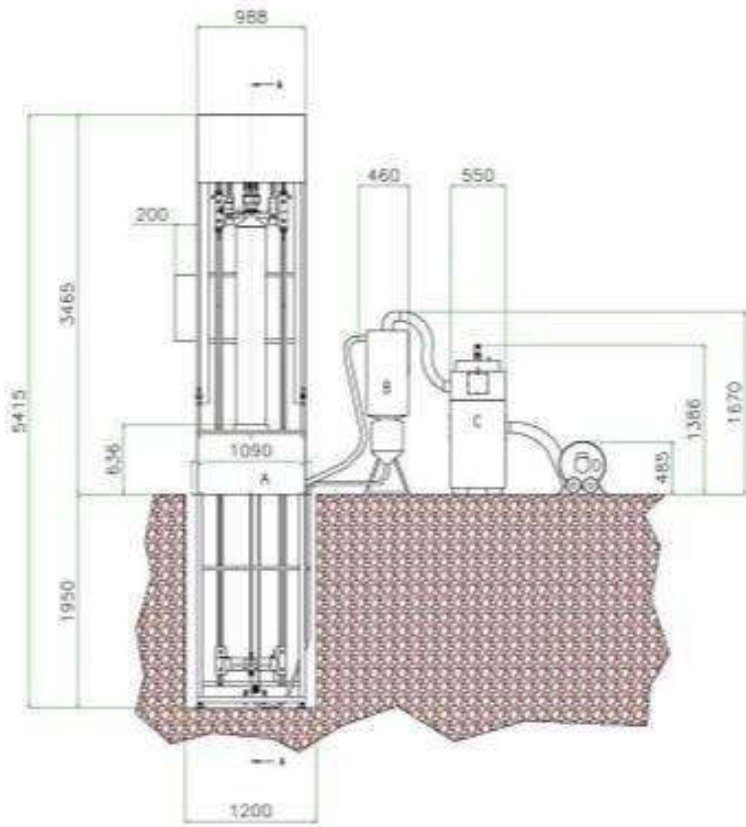
CYLINDER INTERNAL CLEANING

AUTOMATED UNIT FOR CYLINDER INTERNAL CLEANING

Suitable for all kind of cylinders
Up to 185 cm h / 27 Ø

ICS1850

DAMOTEK
equipment for extinguishers & cylinders



CYLINDER MAINTENANCE AND TESTING

DAMOTEK
equipment for extinguishers & cylinders

HAND TRUCK FOR DISPLACING BIG SIZED CYLINDERS

Suitable to load / unload cylinders
to ICS 1850

ICS1850 CLD



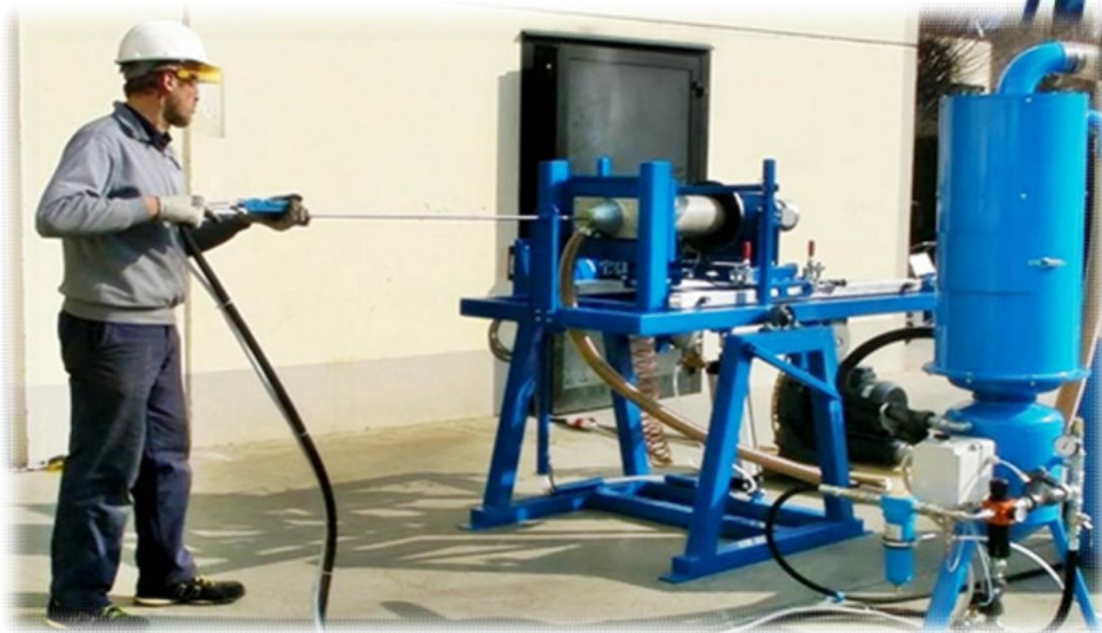
CYLINDER INTERNAL CLEANING

DAMOTEK
equipment for extinguishers & cylinders

MANUAL UNIT FOR CYLINDER INTERNAL CLEANING

Suitable for portable and
SCUBA cylinders

ICS80-M



CYLINDER MAINTENANCE AND TESTING

DAMOTEK
equipment for extinguishers & cylinders

CYLINDER MARKING SYSTEM

PMS-V80P-B



CYLINDER PAINTING



CYLINDER EXTERNAL PAINTING

RCP270 – VMB6

QUICK DRYING
SYSTEM FOR PAINT

HEAT INDUCTION
PANELS

VMB340-DP



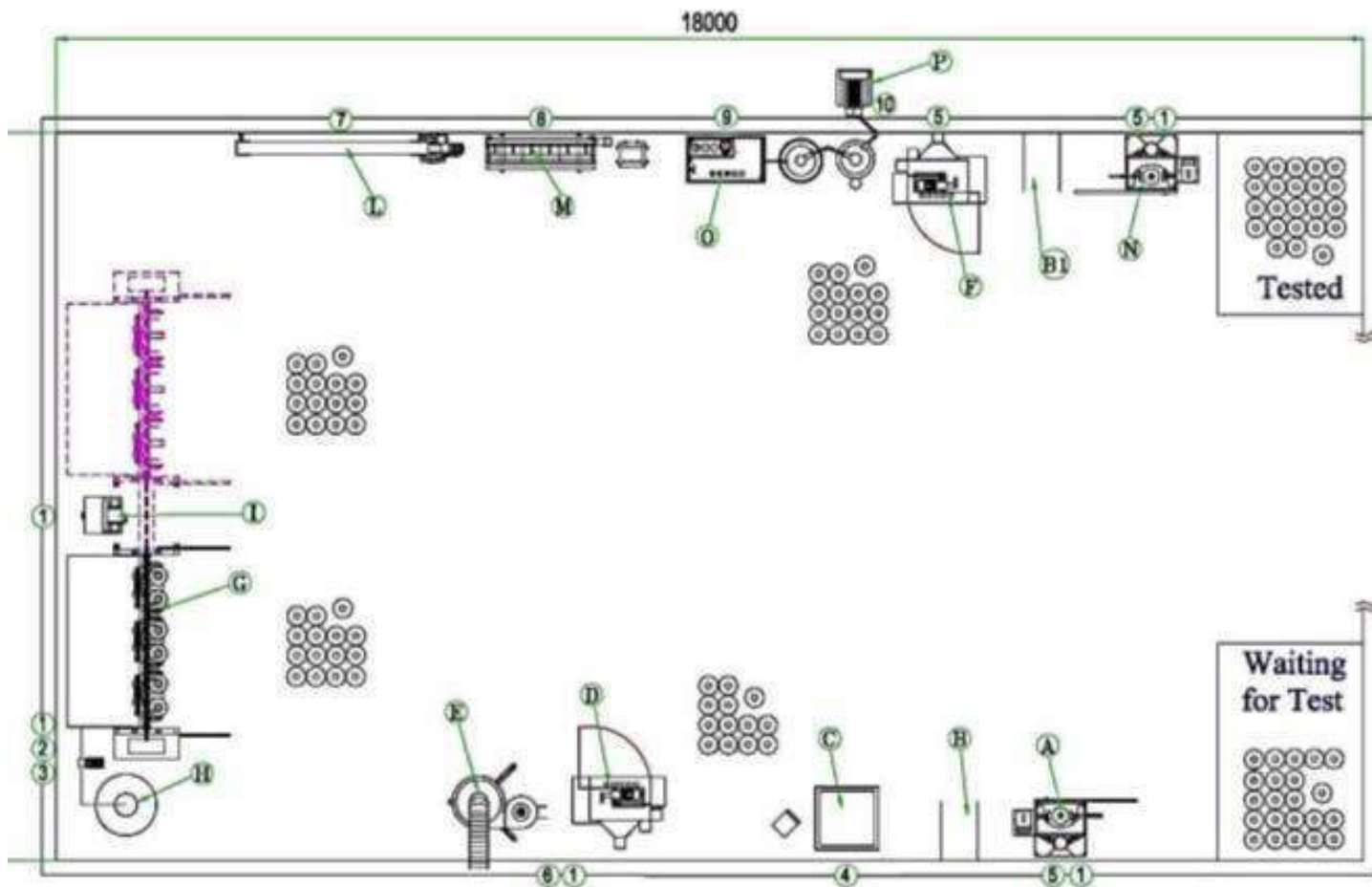
CYLINDER
EXTERNAL
PAINTING



RCP270 – VMB

CYLINDER MAINTENANCE AND TESTING

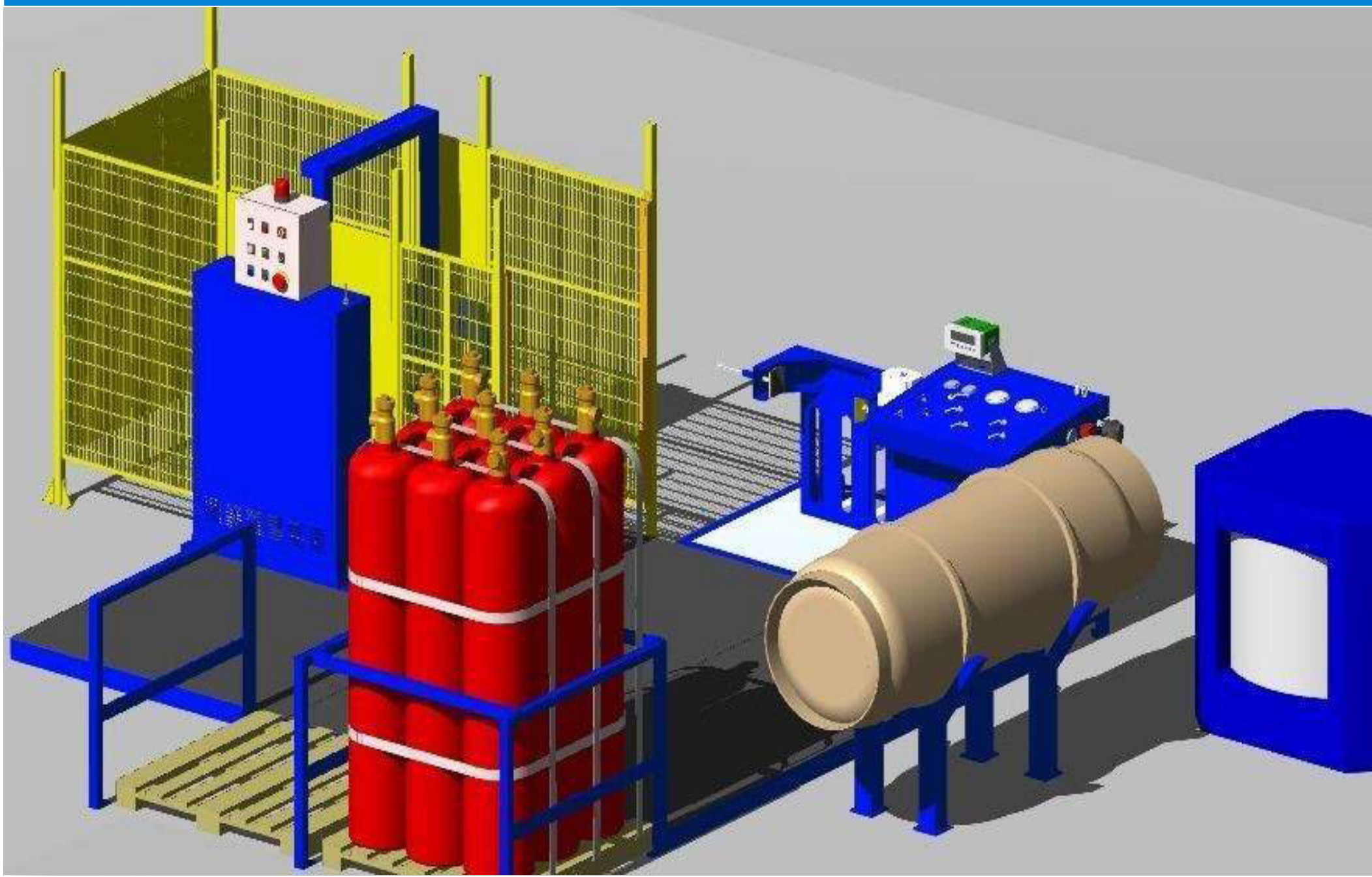
STANDARD LAYOUT OF A CYLINDER TESTING AND MAINTENANCE STATION



EQUIPMENT LIST

Pos.	Description
A	Devalving Equipment
B	Internal Inspection
B1	Internal Inspection
C	Weight control scale
D	Cleaning & painting equipment
E	Filter for Cleaning & painting equipment
F	Painting equipment
G	Hydraulic testing station
H	Water tank for quick cylinder filling
I	Hydraulic test pump
L	Drying equipment
M	Drying equipment
N	Valving equipment
O	Internal sandblasting unit
P	Recovery pump for int. sandblasting unit

COMPLETE CLEAN AGENT FILLING / RECOVERY STATION



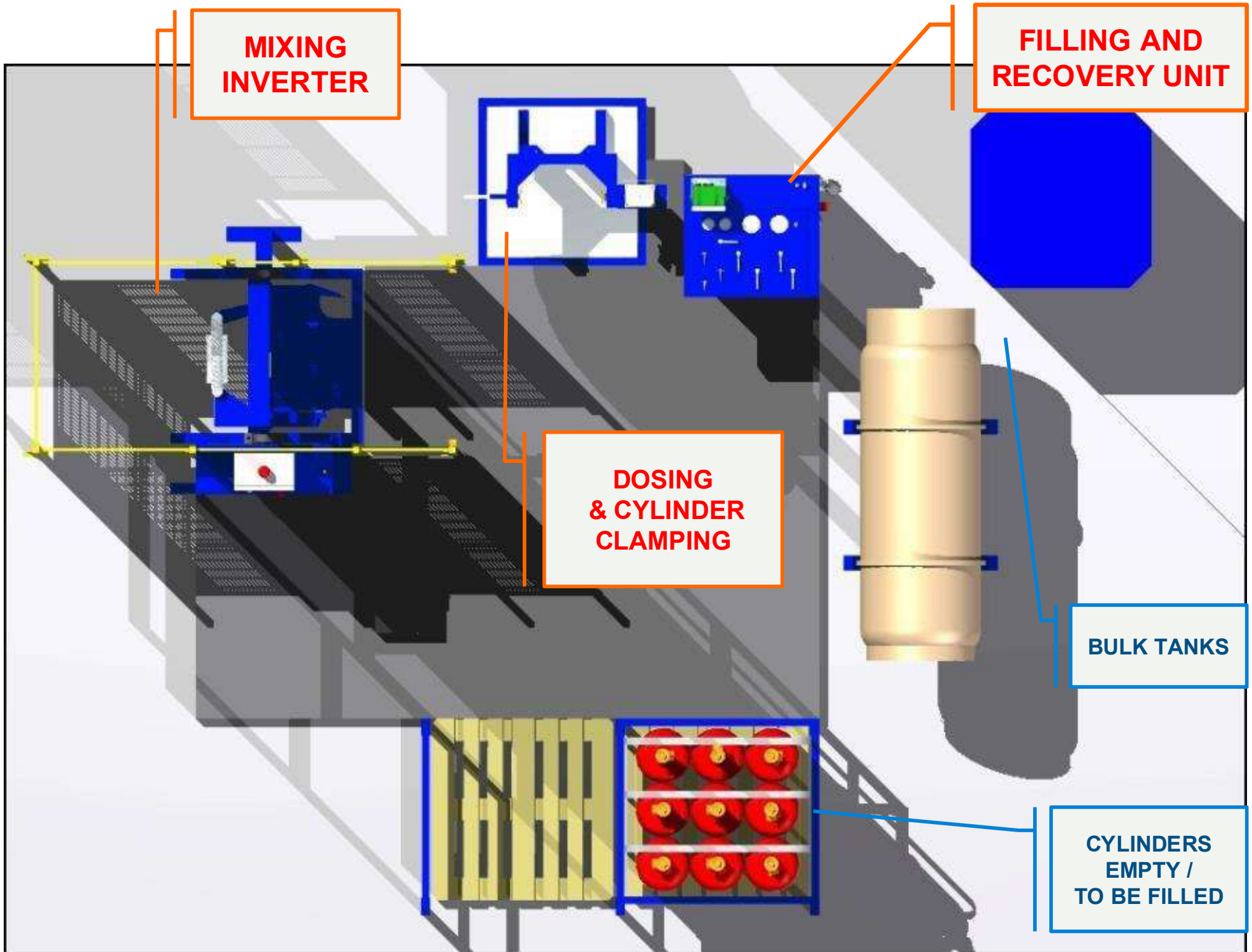
**MIXING
INVERTER**

**FILLING AND
RECOVERY UNIT**

**DOSING
& CYLINDER
CLAMPING**

BULK TANKS

**CYLINDERS
EMPTY /
TO BE FILLED**



CLEAN AGENT FILLING STATION

DAMOTEK
equipment for extinguishers & cylinders



CLEAN AGENT FILLING STATION

DAMOTEK
equipment for extinguishers & cylinders



CLEAN AGENT FILLING AND RECOVERY UNIT

DAMOTEK
equipment for extinguishers & cylinders

PNEUMATICALLY DRIVEN

THB 5

**SUITABLE FOR
HIGH PRESSURE SYSTEM CYLINDERS
(25 OR 42 OR 55 BAR OR MORE)**

**RECOVERY EFFICIENCY
MORE THAN 99%**



CLEAN AGENT FILLING AND RECOVERY UNIT

DAMOTEK
equipment for extinguishers & cylinders

THB 5



**INTEGRATED N2
PRESSURIZATION
CIRCUIT**

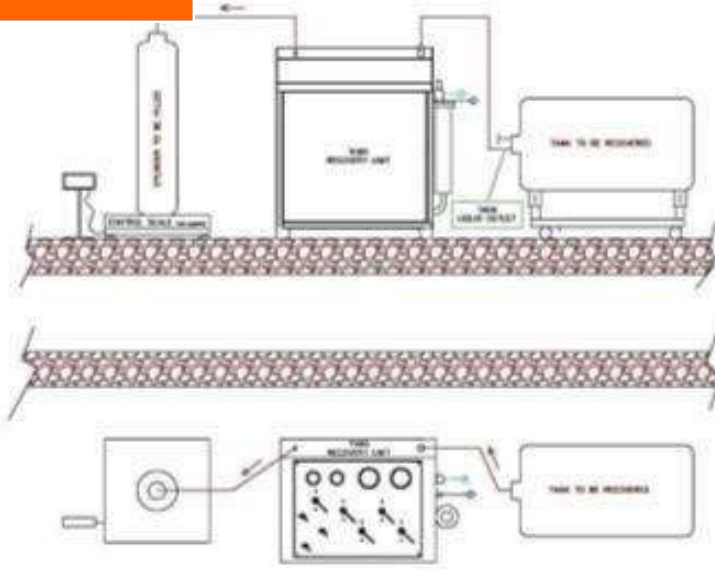
**OPTIONAL VACUUM
SYSTEM**

CLEAN AGENT FILLING AND RECOVERY UNIT

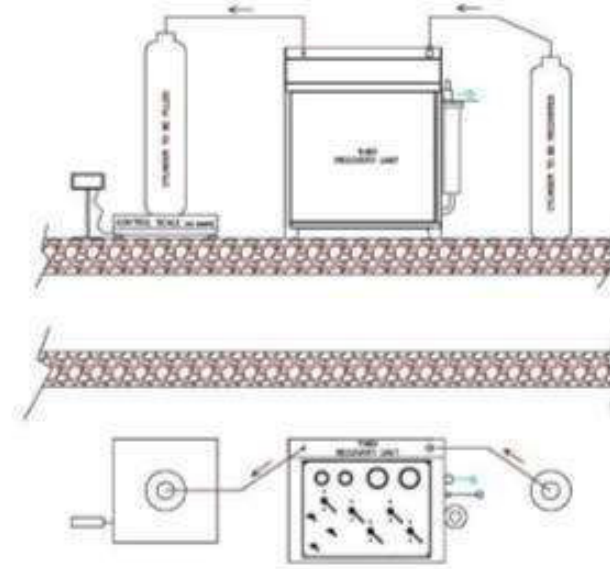
DAMOTEK
equipment for extinguishers & cylinders

THB 5

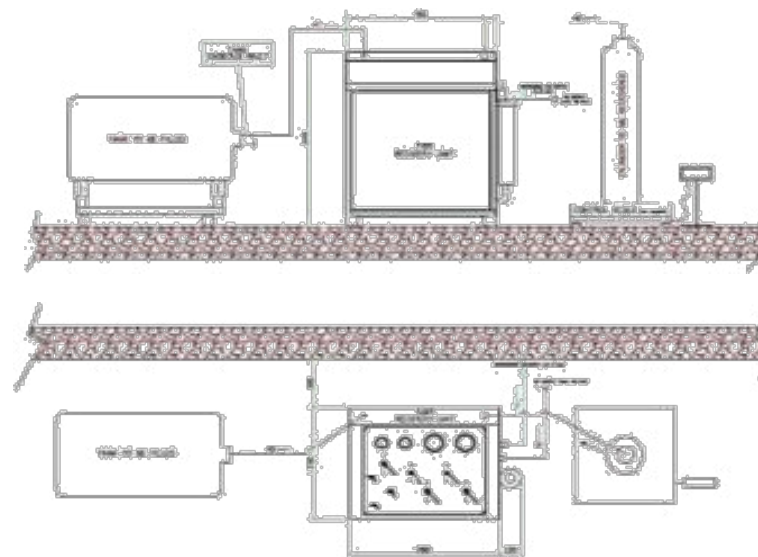
FILLING FROM TANK TO CYLINDER



FILLING FROM CYLINDER TO CYLINDER



RECUPERO / RECOVERY / RECUPERATION



CLEAN AGENT FILLING UNIT

DAMOTEK
equipment for extinguishers & cylinders

100/103 FM



ELECTRICALLY DRIVEN

**INTEGRATED N2
PRESSURIZATION CIRCUIT
OPTIONAL VACUUM SYSTEM**

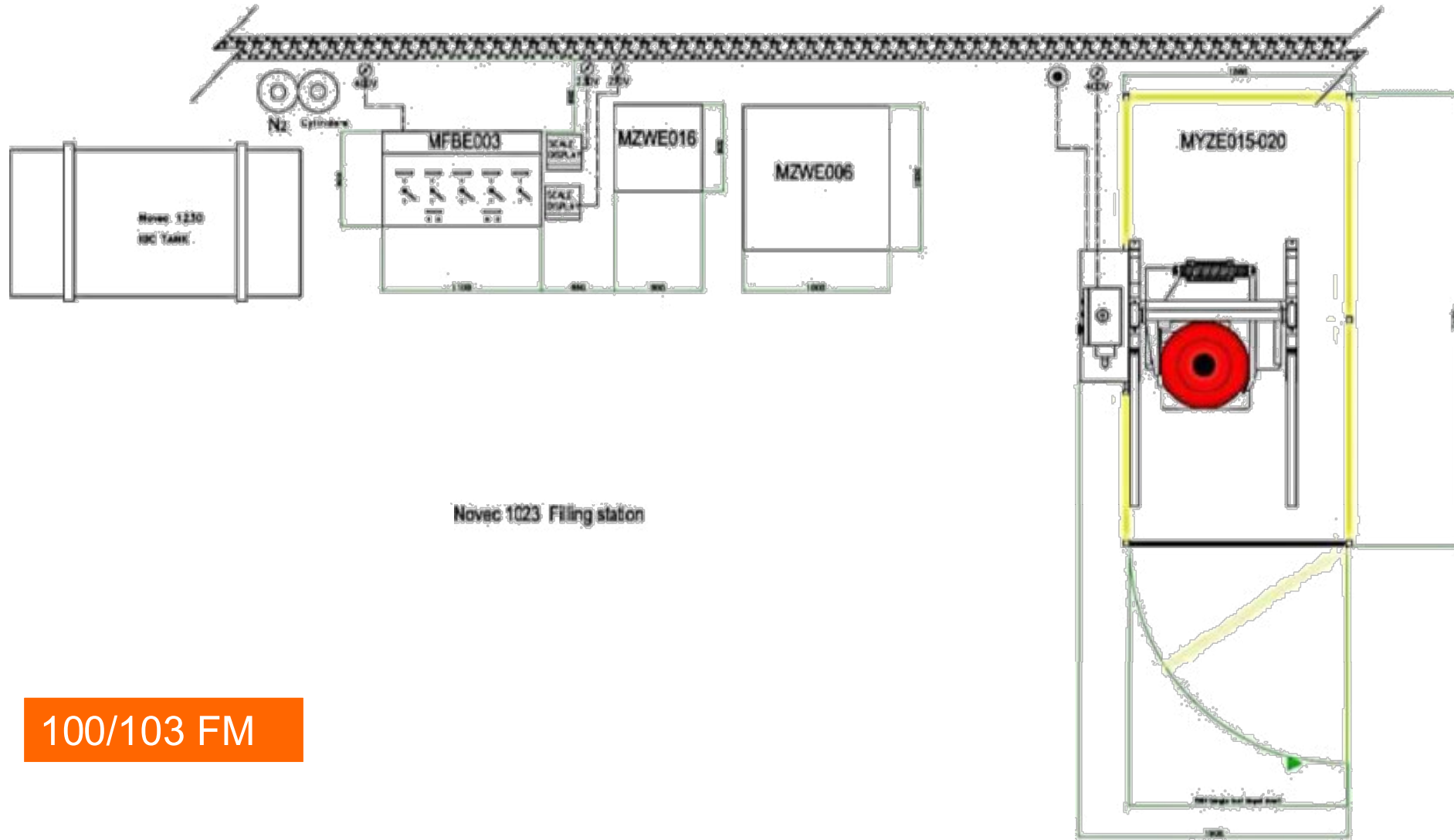


CLEAN AGENT FILLING UNIT

LEGENDA / LEGEND / LEGENDE

⊗ Power supply

⊙ Air / - (0-6 bar) (with valves)



100/103 FM

MIXING INVERTER

DAMOTEK
equipment for extinguishers & cylinders

GBMIX1 H1-H4



**SUITABLE TO ACCELERATE THE
DIFFUSION OF PRESSURIZATION
NITROGEN INSIDE THE CYLINDER
FILLED WITH CLEAN AGENT**

**Diameters from 140 mm to 610 mm
Height up to 1800 mm**



MIXING INVERTER

Diameters from 240 mm to 770 mm
Height up to 1800 mm

GBMIX1 H5



**SUGGESTED PROTECTION GRID
FOR SAFELY ACHIEVE THE
MIXING**

ELECTRONIC SCALES / PNEUMATIC VICES

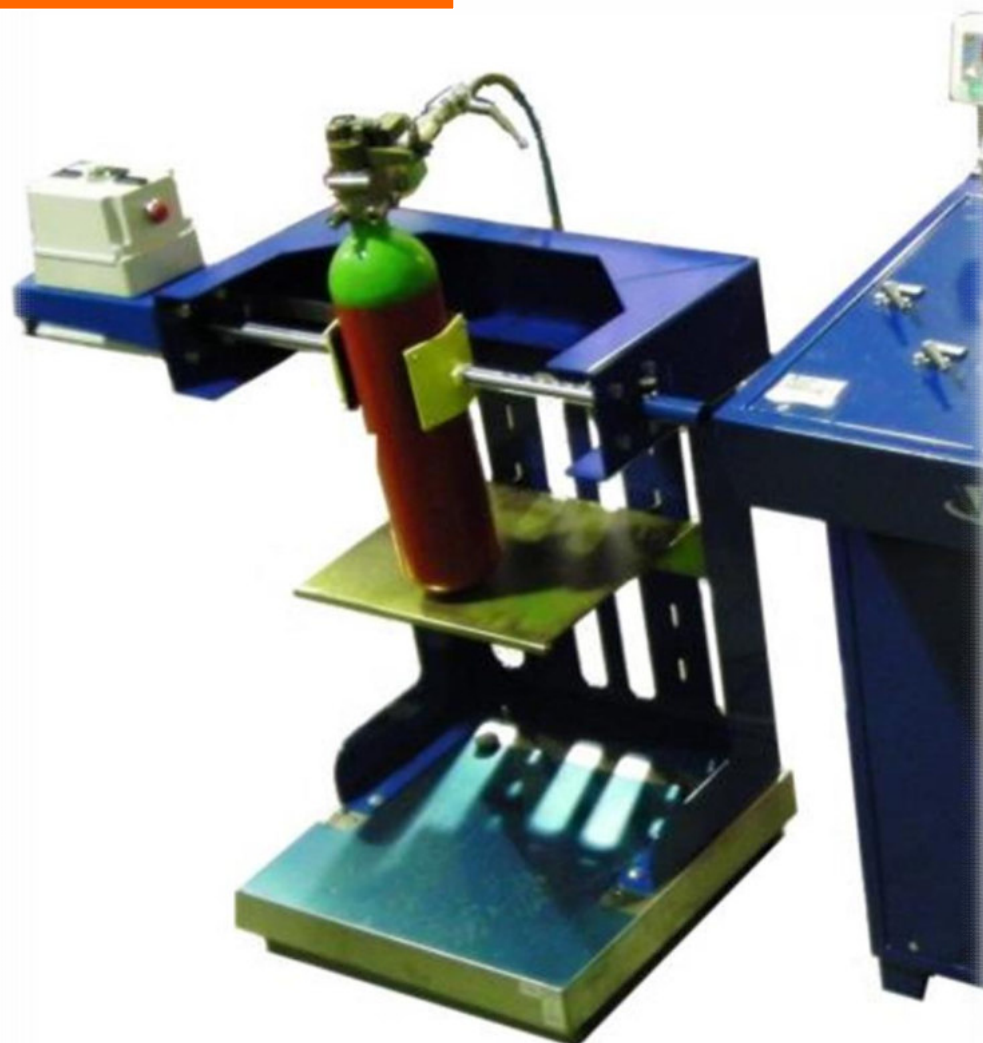
DAMOTEK
equipment for extinguishers & cylinders

BE Series



SUITABLE TO CORRECTLY
DOSE THE PRODUCT

AIR Series



SUITABLE TO HOLD THE
CYLINDERS IN SAFETY

CLEAN AGENT CYLINDER HANDLING

ELECTRICAL VALVING / DEVALVING UNIT

ELECTRONIC TORQUE CONTROL

EL60

DAMOTEK
equipment for extinguishers & cylinders



CLEAN AGENT CYLINDER HANDLING

DAMOTEK
equipment for extinguishers & cylinders

PNEUMATIC VICE

SUITABLE TO MANUALLY CLAMP
THE CYLINDERS DURING
VALVING/DEVALVING OPERATIONS

AIR Series



CLEAN AGENT CYLINDER HANDLING

HAND TRUCK

SUITABLE TO HANDLE AND
MOVE THE BIG AND HEAVY
CYLINDERS IN SAFETY ALL
AROUND THE WORKSHOP



CLEAN AGENT FILLING AND RECOVERY UNIT

DAMOTEK
equipment for extinguishers & cylinders

PNEUMATICALLY DRIVEN



THB / G1HP
SUITABLE FOR SYSTEM
CYLINDERS UP TO 25 BAR



THB / BP
SUITABLE FOR SYSTEM
CYLINDERS UP TO 16 BAR

CLEAN AGENT FILLING AND RECOVERY UNIT

DAMOTEK
equipment for extinguishers & cylinders

**NOVEC1230 PNEUMATICALLY DRIVEN
TRANSFER UNIT**

**TANK TO TANK or
TANK TO CYLINDERS / EXTINGUISHERS**

THB52-1230

MAX SERVICE PRESSURE 6 BAR



CLEAN AGENT FILLING AND RECOVERY UNIT

DAMOTEK
equipment for extinguishers & cylinders

**HFM/5
FILTERING**



**SHN/5
CRYOGENIC
SEPARATION**

TESTING OF CLEAN AGENT CYLINDERS

HYDROSTATIC TEST OF CYLINDERS BY EXPANSION TEST

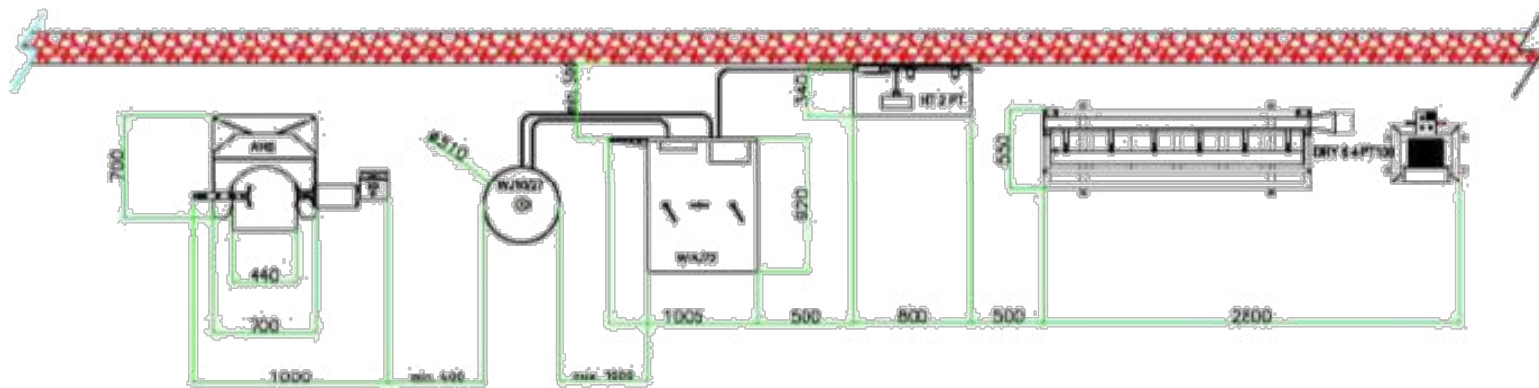
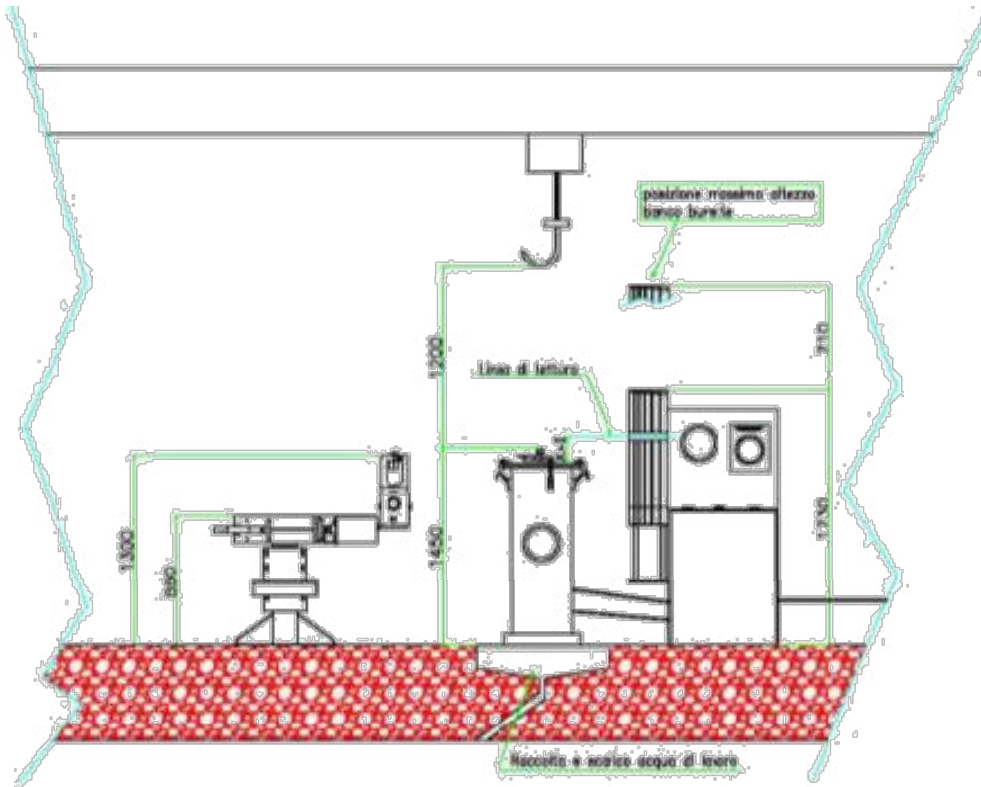
WATER JACKET



DOT CYLINDERS



WATER JACKET



CYLINDER TESTING

DAMOTEK
equipment for extinguishers & cylinders

HYDROSTATIC TEST OF CYLINDERS BY PROOF TEST

FIT350-4S

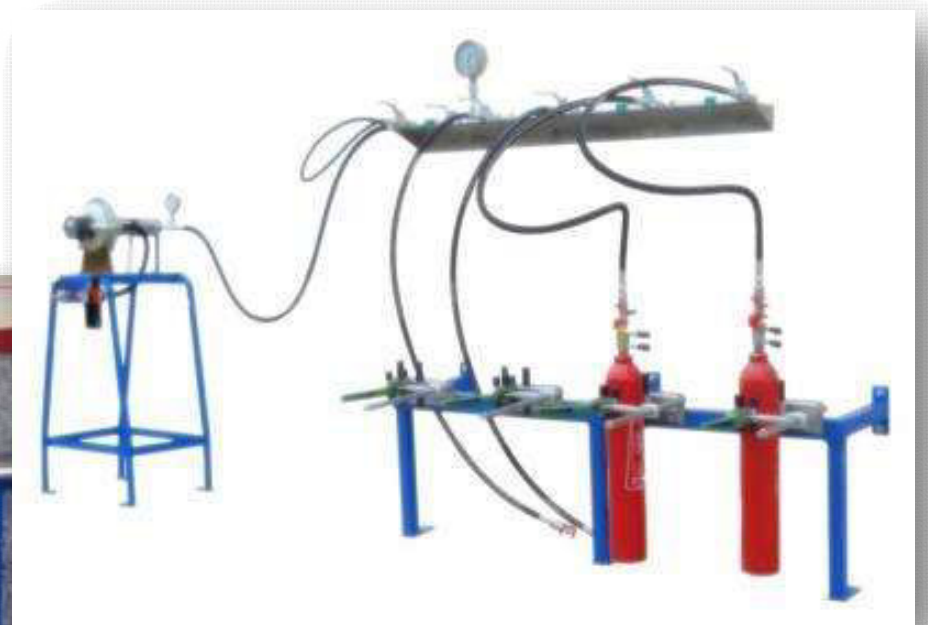


T-PED CYLINDERS

CYLINDER TESTING

DAMOTEK
equipment for extinguishers & cylinders

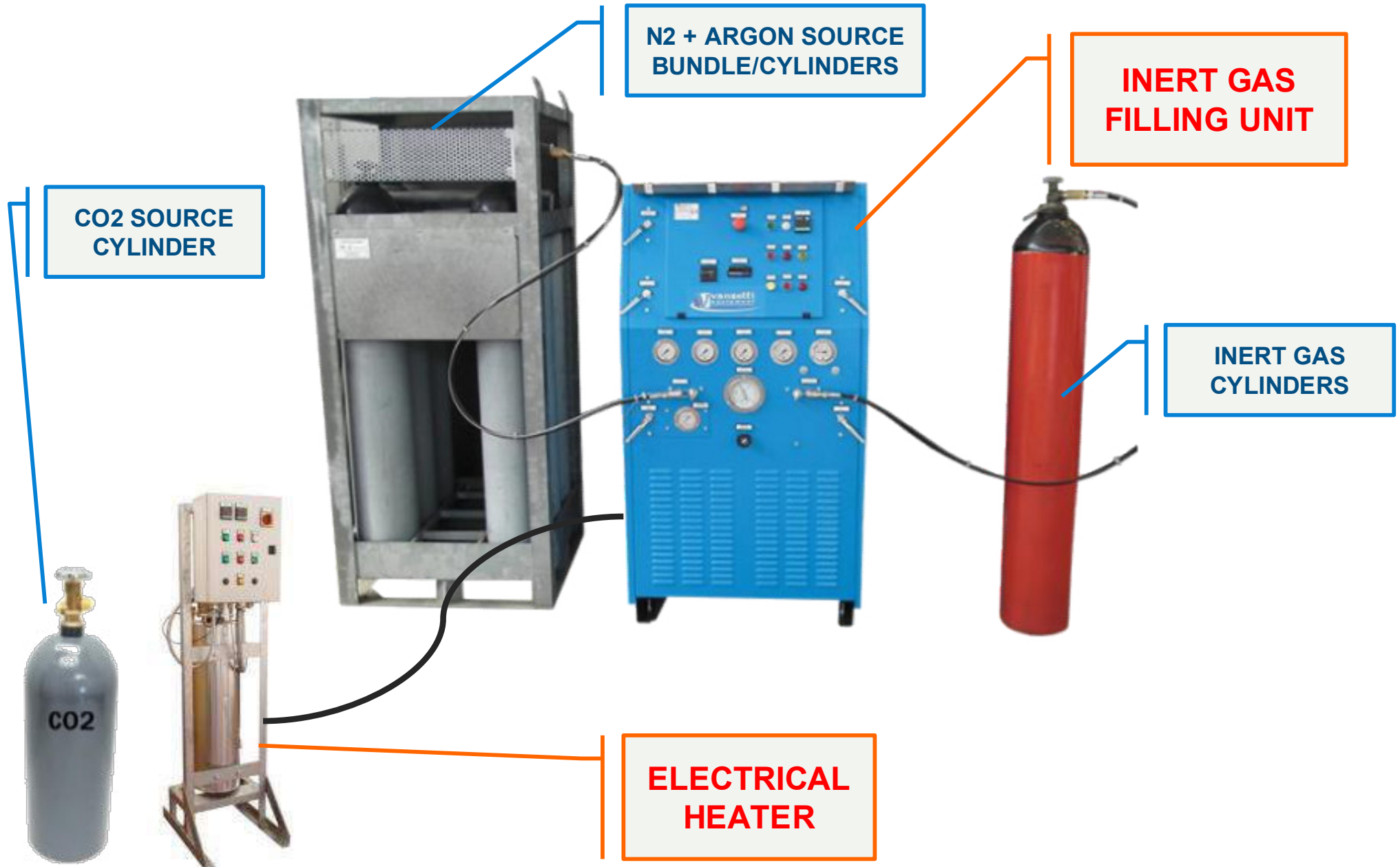
HYDROSTATIC TEST OF CYLINDERS BY PROOF TEST



**ALL THE POSSIBLE
SOLUTIONS FROM THE
SIMPLEST TO THE
FULLY AUTOMATED
SYSTEM**

INERT GAS FILLING STATION

DAMOTEK
equipment for extinguishers & cylinders



INERT GAS FILLING STATION

DAMOTEK
equipment for extinguishers & cylinders

SUITABLE TO FILL THE
CYLINDERS USED IN THE INERT
GAS EXTINCTION SYSTEMS

IG-FILL

310 BAR FILLING
PRESSURE
FLOW-RATE 13 or 30 m³/h



REFRIGERANT GAS FILLING AND RECOVERY

DAMOTEK
equipment for extinguishers & cylinders

CYLINDER FILLING STATION FROM TANK / ISO-CONTAINER

RGT5 series



REFRIGERANT GAS FILLING AND RECOVERY

DAMOTEK
equipment for extinguishers & cylinders

TRANSFER FROM IBC TO CYLINDER

Pneumatically driven
OIL FREE PUMP
transferring LIQUID & GAS phase

RGT5 series



CYLINDER HANDLING FOR SPECIAL GAS MIXTURE

DAMOTEK
equipment for extinguishers & cylinders

BAKE-OUT OVEN
To reduce cylinders' internal moisture

VB016 – VB08



CYLINDER HANDLING FOR SPECIAL GAS MIXTURE

DAMOTEK
equipment for extinguishers & cylinders

MIXING INVERTER FOR CYLINDERS CONTAINING GAS MIXTURES

GBMIX5



CUSTOMER SERVICE

DAMOTEK technical staff provides the customers with a comprehensive after-sales technical support:

- > installation and start-up assistance (including provision of manuals for proper use and maintenance)
- > trouble-shooting procedure
- > spare parts and accessories assistance (in order to choose the one fulfilling the customers' needs).



Periodically, at our corporate conference room, we arrange courses and seminars concerning the proper use and the correct maintenance of equipment and components.



DAMOTEK
equipment for extinguishers & cylinders

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