

DAMOTEK

equipment for extinguishers & cylinders

Equipment and technology
for cylinder/extinguisher
filling, maintenance and testing.

2026

www.damotek.com





A history of innovation and evolution.





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The most comprehensive range on the market.

DCP & FOAM
EXTINGUISHER
FILLING

CO₂
CYLINDER
FILLING

CLEAN AGENTS
FILLING &
RECOVERY

INERT GASES
FILLING

REFRIGERANT
GASES
FILLING

CYLINDER
TESTING &
MAINTENANCE

DCP & FOAM EXTINGUISHER FILLING

- DCP cylinder filling (manual, automatic, heavy-duty, trucks)
- DCP recovery (bags up to 25 kgs, Big-Bag)
- Foam filling
- Portable workshops on van



PORTABLE FOAM
EXTINGUISHERS



PORTABLE DCP
EXTINGUISHERS



TROLLEY
EXTINGUISHERS



EMERGENCY
VEHICLES

BASIC FILLING

TOTEM M



HEAVY-DUTY COMPACT FILLING

TOTEM MTS



HEAVY-DUTY FILLING

TOTEM TS





Servicing all types of fire extinguishers and stationary tanks, also when installed on-board service trucks

TOTEM GALAXY II



TOTEM GALAXY



MEDIUM / HIGH PRODUCTIVITY
SEMI-AUTOMATIC FILLING STATION

TOTEM MATIC



"VENTURI" KIT FOR
WHEELED EXTINGUISHERS



Dry powder filling

DAMOTEK

equipment for extinguishers & cylinders

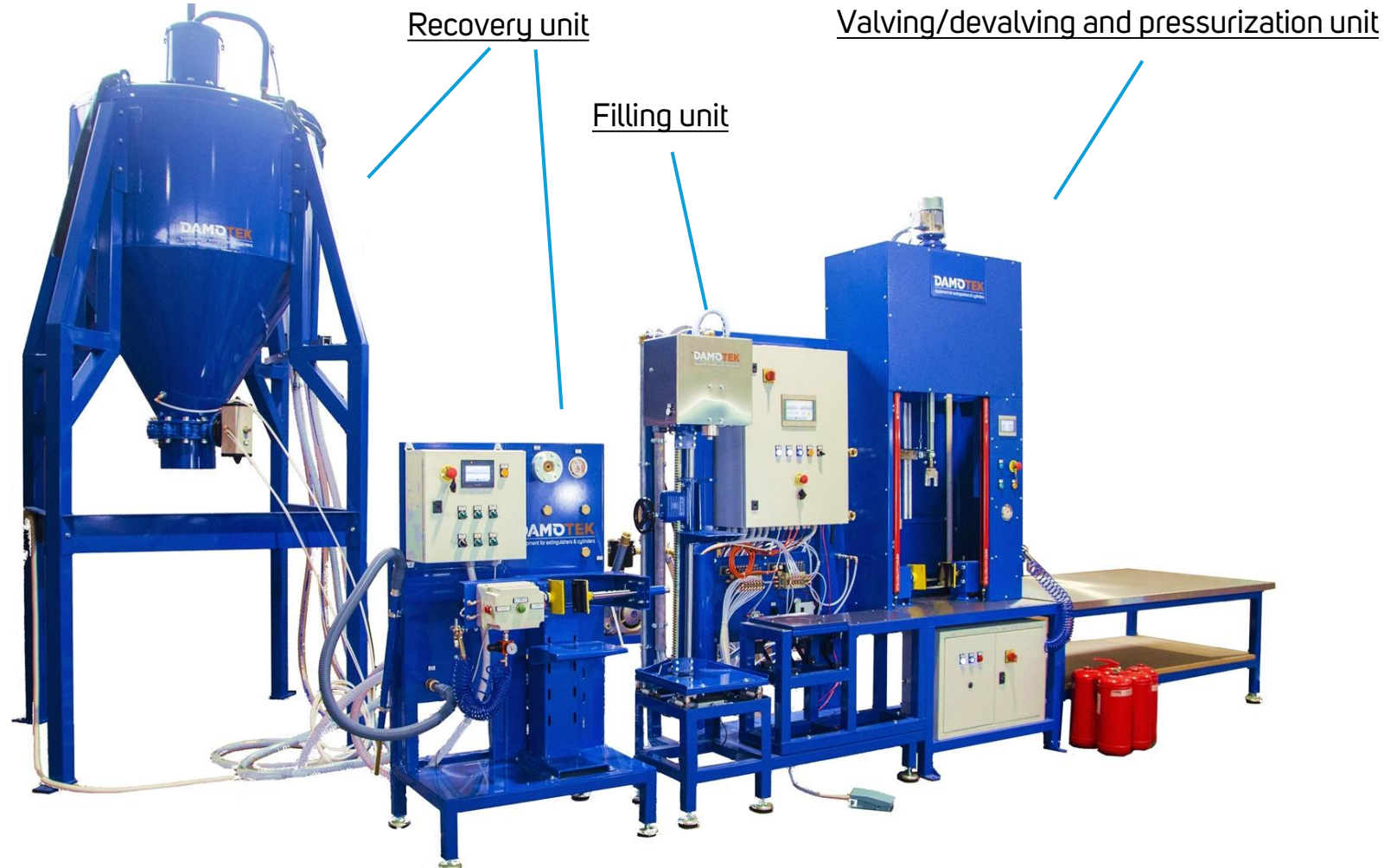
HIGH PRODUCTIVITY
AUTOMATIC FILLING STATION

TOTEM AUTO BAG



HIGH PRODUCTIVITY AUTOMATIC
FILLING, RECOVERY AND
VALVING/DEVALVING STATION WITH DATA
PROCESSING AND TRANSFER PROTOCOL

TOTEM AUTO BAG 4.0



Recovery unit

Valving/devalving and pressurization unit

Filling unit

EXHAUSTED POWDER FROM
EXTINGUISHERS DIRECTLY INTO BIG-BAG

TOTEM BAG



ADVANCED / HEAVY-DUTY UNIT FOR
RECOVERING EXHAUSTED POWDER FROM
EXTINGUISHERS DIRECTLY INTO BIG-BAG

TOTEM BAG SILO



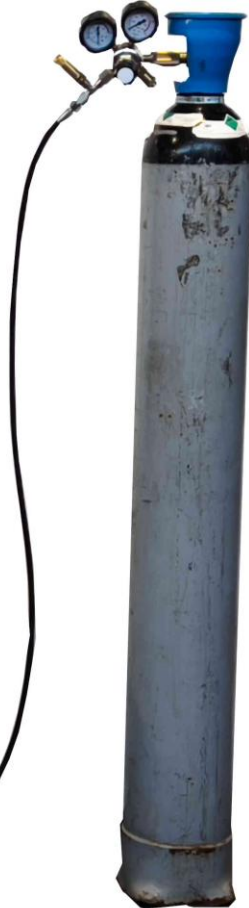
Dry powder extinguisher service

ACCESSORIES

PNEUMATIC
VICE «AIR»



QUICK PRESS



«VIF» MANUAL
VICES



ELECTRONIC
SCALES

CADDIE BENCH
On site service
trolley



N2 PRESSURIZATION KIT
WITH AUTOMATIC STOP



Mobile workshop for extinguisher service

Transportable workshop for
CO2/Powder extinguisher
maintenance

SKID AC/FG8



RES SERIES FILLING STATION FOR PRE-MIXED FOAM EXTINGUISHERS

RES600

automatic



RES400 A

semiautomatic



RES400

manual



CO₂ CYLINDER AND EXTINGUISHER FILLING



- CO₂ filling from cylinders, cylinder bundles
- Cartridge and beverage filling
- Life-raft filling
- CO₂ filling from tank (transfer pump, filling stations)



CO₂
SPARKLETTES



CO₂ CARTRIDGES
FOR WATER
CARBONIZATION



CO₂
EXTINGUISHERS



CO₂
CYLINDERS



CO₂+N₂
CYLINDERS
FOR LIFE-RAFTS

CYLINDER/BUNDLE TO CYLINDER CO2 TRANSFER



100/D1
Pump for cylinder to
cylinder
liquid CO2 transfer



103/D1
Pump for
cylinder/bundle
to cylinder
liquid CO2 transfer

CYLINDER TO CYLINDER/SPARKLETTES CO2 TRANSFER

100/D3



Adapter for sparklets
"English" "French"
"Italian" type



CYLINDER TO CYLINDER/SPARKLETTES CO2 TRANSFER

100/D3 SODA

For recharging CO₂
cartridges and cylinders
used to gasify water,
beverages, beer.



Filling head with
SPK Quick
automatic lock



CYLINDER TO CYLINDER CO2+N2 TRANSFER

1015/MIX

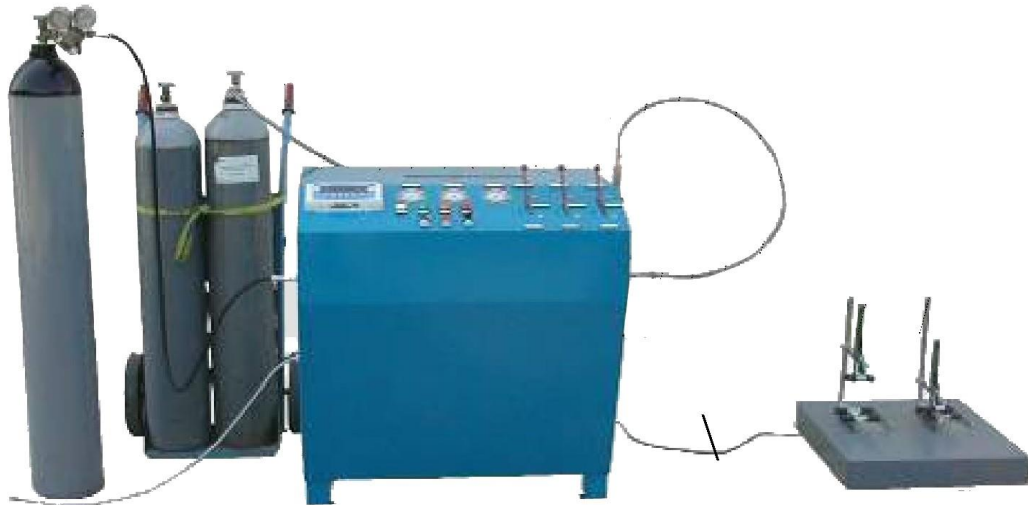


Designed for marine service



LIFE RAFT CYLINDER FILLING

1015MIX



CO2 + N2 CYLINDER FILLING

1015MIX + CHP



N2 + CRYOGENIC CO2
CYLINDER FILLING

Designed for marine
service



CO2 TRANSFER FROM CRYOGENIC TANK TO CYLINDER

103/FCD222B-1

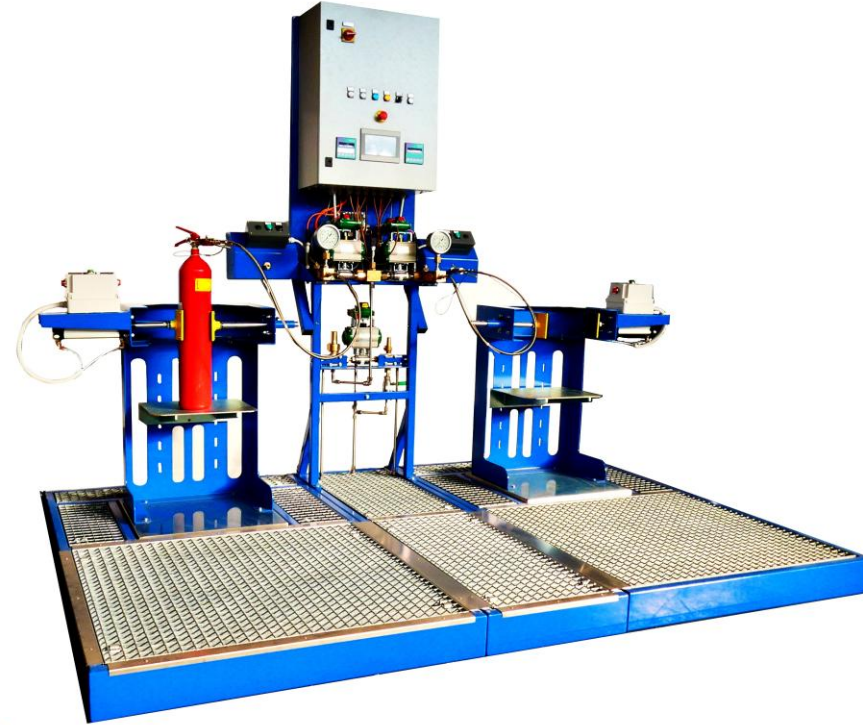
Compact CO2 pumping
and filling system from
tank



CO2 TRANSFER FROM CRYOGENIC TANK TO CYLINDER

FCD series

CO2 filling station from
tank



103/D
Cryogenic CO2 pump

CYLINDER TESTING AND MAINTENANCE

- Testing benches (high pressure, low pressure)
- Automated testing benches
- Refrigerant gases low pressure testing with degreasing cycle
- Valving/devalving units
- Testing pumps
- Drying units and steam systems
- External and internal cylinder cleaning
- Manual and pneumatic vices
- Cylinder painting systems

DOT
AND T-PED
CYLINDERS



DCP AND CO2
EXTINGUISHERS



LPG AND
REFRIGERANT
GASES CYLINDERS

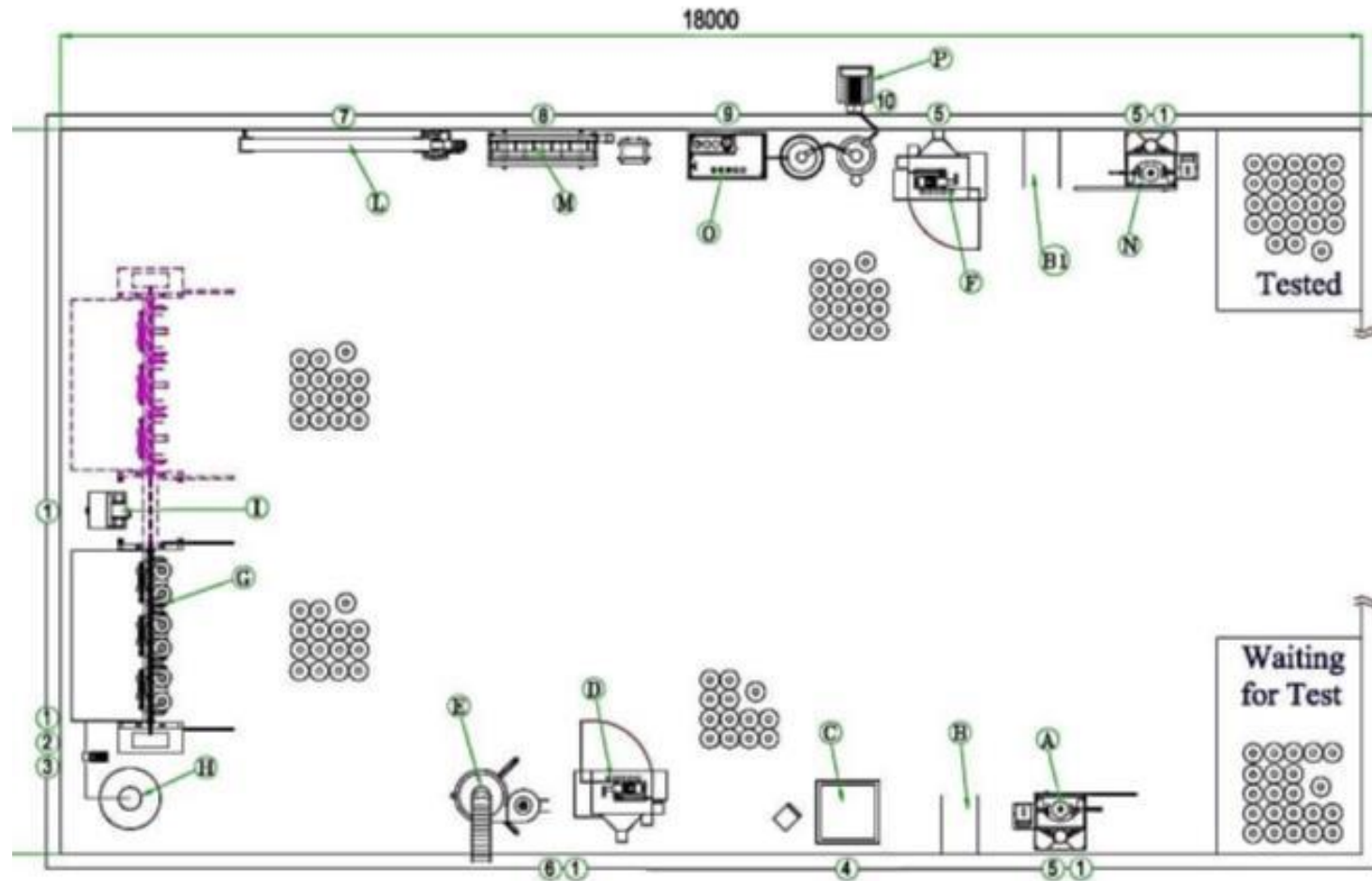


SCUBA
CYLINDERS



ALL CYLINDERS
UP TO 185 cm h / 27 cm Ø

STANDARD LAYOUT FOR CYLINDER MAINTENANCE AND TESTING 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

PNEUMATIC TESTING PUMPS

N7/4 – WSR
Testing unit



N7/4 on
trolley



N7/4 + HT MANIFOLD
Pump + testing manifold



HYDRAULIC TESTING UNIT FOR FIRE EXT_s, CYLINDERS AND CO₂ CARTRIDGES

HT-350



	HT-350-3	HT-350-5
Cyl n°	3	5
Standard (SCUBA & CO ₂ cylinders)	300 to 500 bar	
Fire exting. (CO ₂ & DCP)	35 to 313 bar	
All cylinders	35 to 500 bar	
Optional rolling shutter and automatic stop		

AUTOMATIC HYDRAULIC TESTING UNIT FOR CO2 FIRE EXTINGUISHERS

FIT/350

T-PED CYLINDERS

SMALL CYLINDERS
UP TO 18 LT



HYDROSTATIC TEST OF CYLINDERS BY PROOF TEST

FIT/50 Series



OPERATIONS:

- CYLINDER FILLING
- HIGH PRESSURE TESTING
- CYLINDER EMPTYING

Optional :

- Drying with superheated steam system



DRY-VAP
Steam system



FPF50
Protection
guard

SEMI-AUTOMATIC HYDROSTATIC TEST OF CYLINDERS BY PROOF TEST

FIT/50 DUO

SUITABLE FOR TESTING:
Seamless Steel cylinders up to
450bar

6 + 6 cylinder places



HYDROSTATIC TEST QUICK CONNECTIONS



HTQ12 for 17E

HTQ34 for 25E

HTQ10 for 1"NGT



AVAILABLE ADAPTERS FOR
PARALLEL THREADS



HYDROSTATIC HIGH-PRESSURE PUMP FOR HYDRAULIC TESTING



N7/15 series

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

**AUTOMATIC HYDROSTATIC TEST OF
CYLINDERS BY PROOF TEST**

**SUITABLE FOR TESTING:
Seamless Steel cylinders up to
450bar**

FIT/50 Evo

6 + 6 cylinder places



AUTOMATIC HYDROSTATIC TEST OF CYLINDERS BY PROOF TEST

FIT/50 Evo



AUTOMATED OPERATIONS:

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



AUTOMATIC HYDROSTATIC TEST OF CYLINDERS BY PROOF TEST

DRY-VAP

INTEGRATED
ADVANCED
SUPERHEATED
DRYING SYSTEM

Suitable for all FIT
series



HYDROSTATIC TEST OF CYLINDERS BY EXPANSION TEST

DOT CYLINDERS

WINJ72

WATER JACKET



CYLINDER DRYING UNITS



CIL



DRY



LOW PRESSURE HYDROSTATIC TESTING BY PROOF TEST

FIT/50 Low

SUITABLE FOR TESTING:

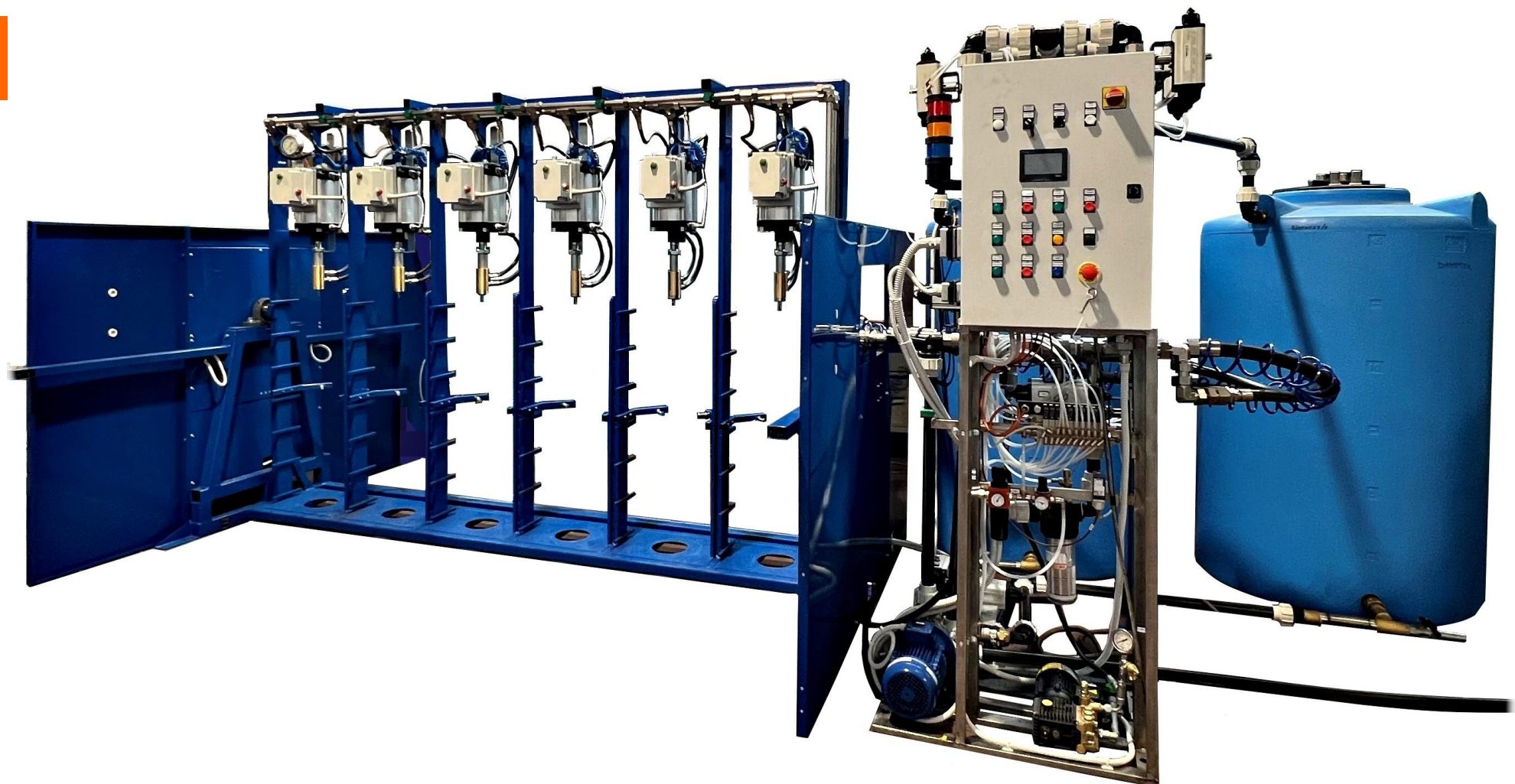
- LPG CYLINDERS
- REFRIGERANT GAS CYLINDERS



LOW PRESSURE HYDROSTATIC
TESTING BY PROOF TEST

FIT/50 Low - RTHW

AUTOMATIC
REFRIGERANT
GAS CYLINDER
TESTING WITH
DEGREASING
CYCLE



ELECTRIC VALVING/DEVALVING UNIT

EL60



Heavy front
protection
ELPA-HY



Available also
the ATEX version



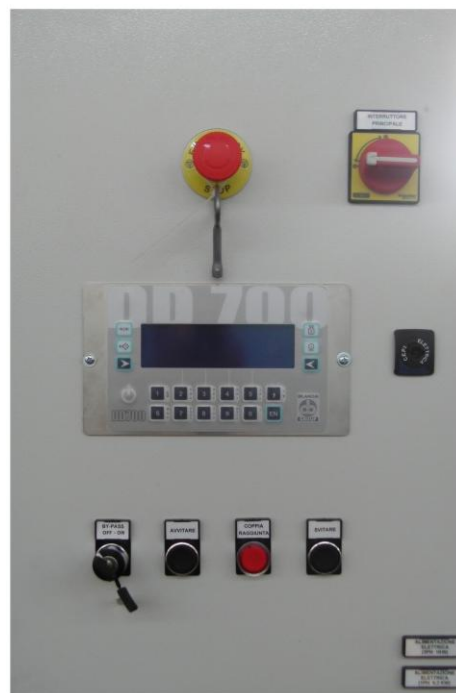
ELECTRIC VALVING/DEVALVING UNIT

EL60



Load cell

Electronic torque display ELCC



Torque display automatic stop

Electronic torque control ELCC TORQUE



Magneto-resistive inline torque sensor 500 Nm



PLC inverter color touch-screen display

EXTERNAL CYLINDER CLEANING UNIT

RCP270

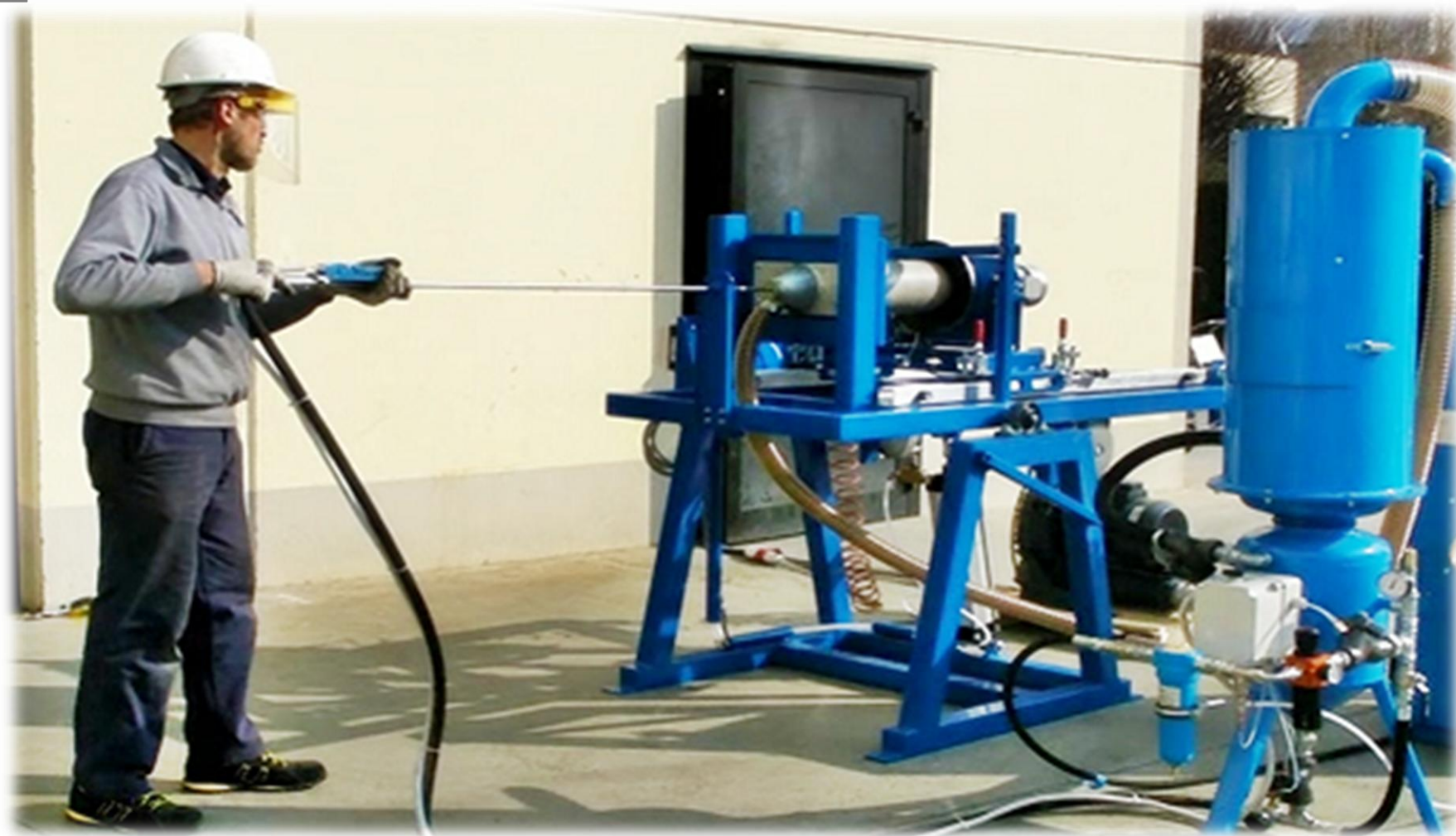
Up to $\varnothing 270$ mm



INTERNAL CYLINDER CLEANING AUTOMATIC UNIT

ICS80-M

Suitable for portable
and SCUBA cylinders



INTERNAL CYLINDER CLEANING AUTOMATIC UNIT

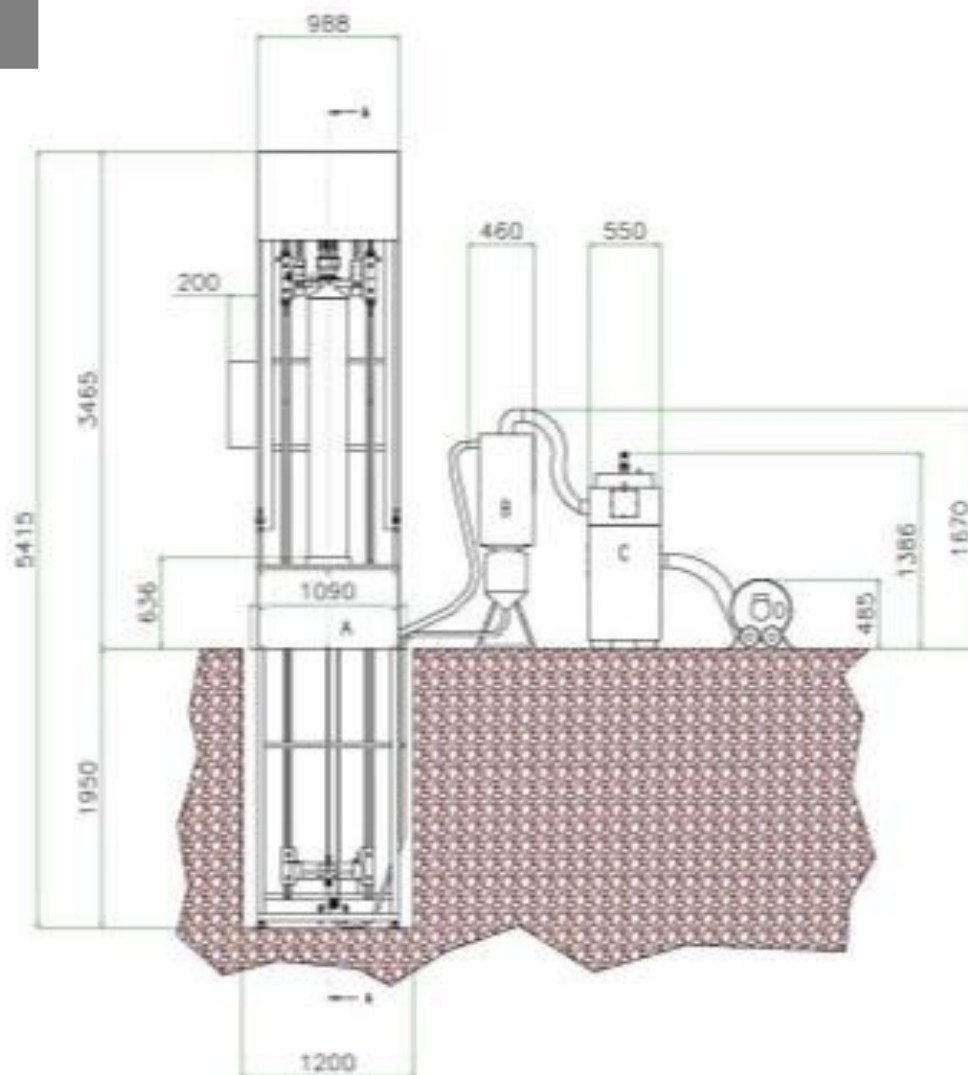
ICS80-A

Suitable for
portable and
SCUBA cylinders



INTERNAL CYLINDER CLEANING AUTOMATIC UNIT

ICS1850



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



TROLLEY FOR BIG SIZED CYLINDERS

ICS1850 CLD

Suitable for
loading/unloading
cylinders
up to 185 cm h / 27 cm Ø
(ICS1850)



CYLINDER PAINTING

RCP-VMB

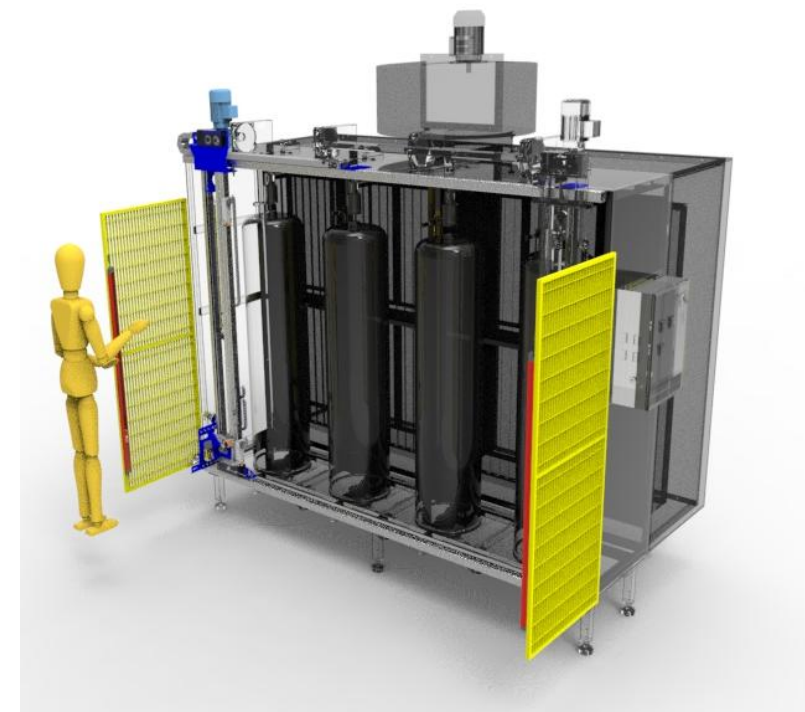
6 cylinders



1 cylinder



Semiautomatic painting system



MARKING DEVICE

PMS-V80P-B



ELECTRONIC SCALES

BE series



COMPATIBLE WITH MACHINE
INTERFACE

ETW series



NOT COMPATIBLE WITH
MACHINE INTERFACE

VICES

VIF series



MANUAL VICE

AIR series



PNEUMATIC VICE

VICES FOR SCALES

VIF/BIL



MANUAL VICE

AIR4/BIL



PNEUMATIC VICE

BAKE-OUT OVEN

VBO

Designed to reduce
cylinders' internal
moisture



The most comprehensive range on the market.

DAMOTEK

equipment for extinguishers & cylinders

CLEAN AGENTS FILLING AND RECOVERY

Units for filling and recovering fire suppression clean agents such as 3M Novec 1230 FIRE PROTECTION, FK-5-1-12, FM200, HFC227ea, HFC125, NAF S125, NAF S 227, HALON & OTHERS.

Our range includes flushing units and mixing inverters for diffusing pressurization nitrogen inside cylinders.



CLEAN AGENTS
DRUMS

CLEAN AGENTS
CYLINDERS
UP TO 410 MM

CLEAN AGENTS FILLING UP TO 70 BAR

THB/523



99% RECOVERY
EFFICIENCY

PNEUMATICALLY
DRIVEN

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



CLEAN AGENTS FILLING UP TO 45 BAR

THB/5

99% RECOVERY
EFFICIENCY

PNEUMATICALLY
DRIVEN

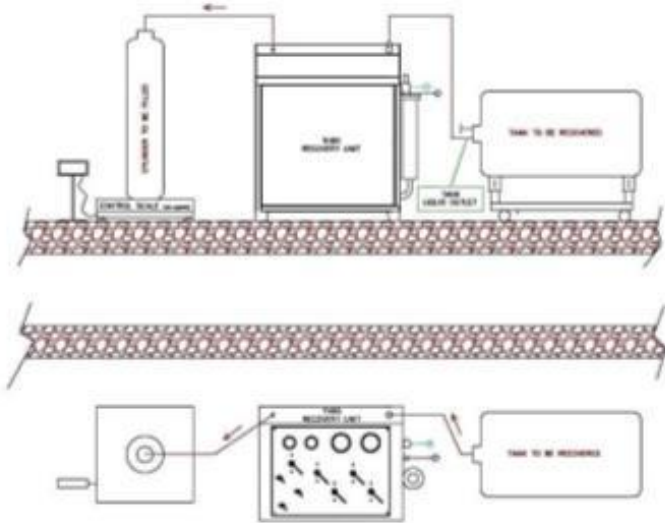
SUITABLE FOR
HIGH PRESSURE
SYSTEM CYLINDERS (25
OR 45 bar)



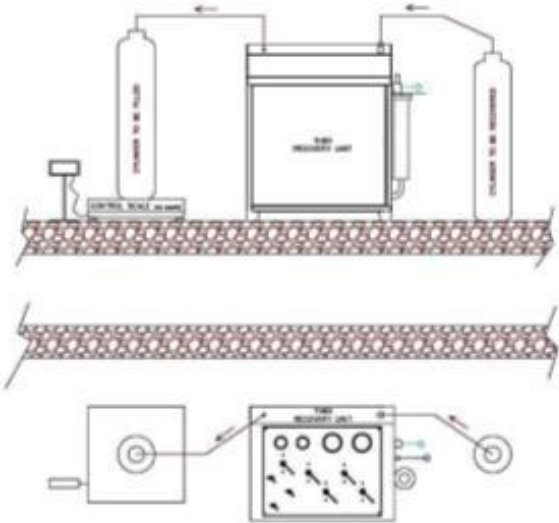
LAYOUT FOR THB/5 CLEAN AGENTS FILLING UP TO 45 BAR

THB/5

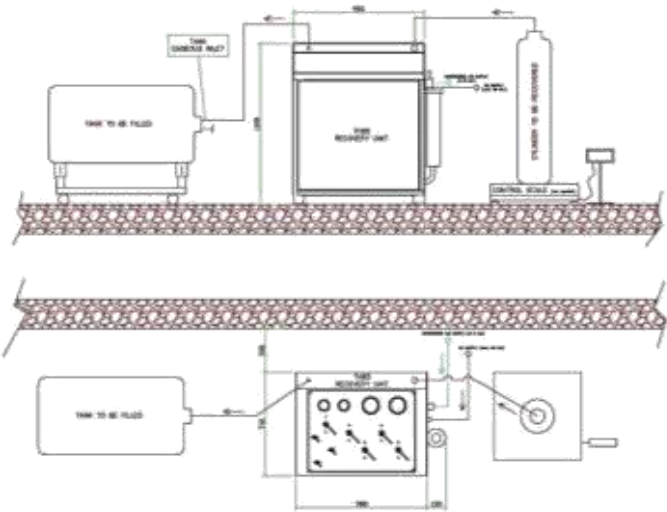
FILLING FROM TANK TO CYLINDER



FILLING FROM CYLINDER TO CYLINDER



RECUPERO / RECOVERY / RECUPERATION



CLEAN AGENTS FILLING UP TO 25 BAR

THB/G1HP

PNEUMATICALLY
DRIVEN

SUITABLE FOR
SYSTEM CYLINDERS UP
TO 25 BAR



NOVEC 1230 DRUM TO TANK TRANSFER UNIT

THB/52-1230

PNEUMATICALLY DRIVEN

MAX SERVICE PRESSURE
6 bar



CLEAN AGENTS FILLING

100/103 FM

ELECTRICALLY DRIVEN

INTEGRATED N₂
PRESSURIZATION
CIRCUIT
OPTIONAL VACUUM
SYSTEM



CLEAN AGENTS FILLING UP

100/103 DUO

ELECTRICALLY DRIVEN

DOUBLE PUMP, DOUBLE
CIRCUIT

INTEGRATED N2
PRESSURIZATION
CIRCUIT
OPTIONAL VACUUM
SYSTEM



CLEAN AGENTS CYLINDERS MIXING INVERTER

GBMIX1 H1-H4

DESIGNED FOR
ACCELERATING THE
DIFFUSION OF
PRESSURIZATION
NITROGEN INSIDE THE
CYLINDER FILLED WITH
CLEAN AGENT

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



CLEAN AGENTS CYLINDERS MIXING INVERTER

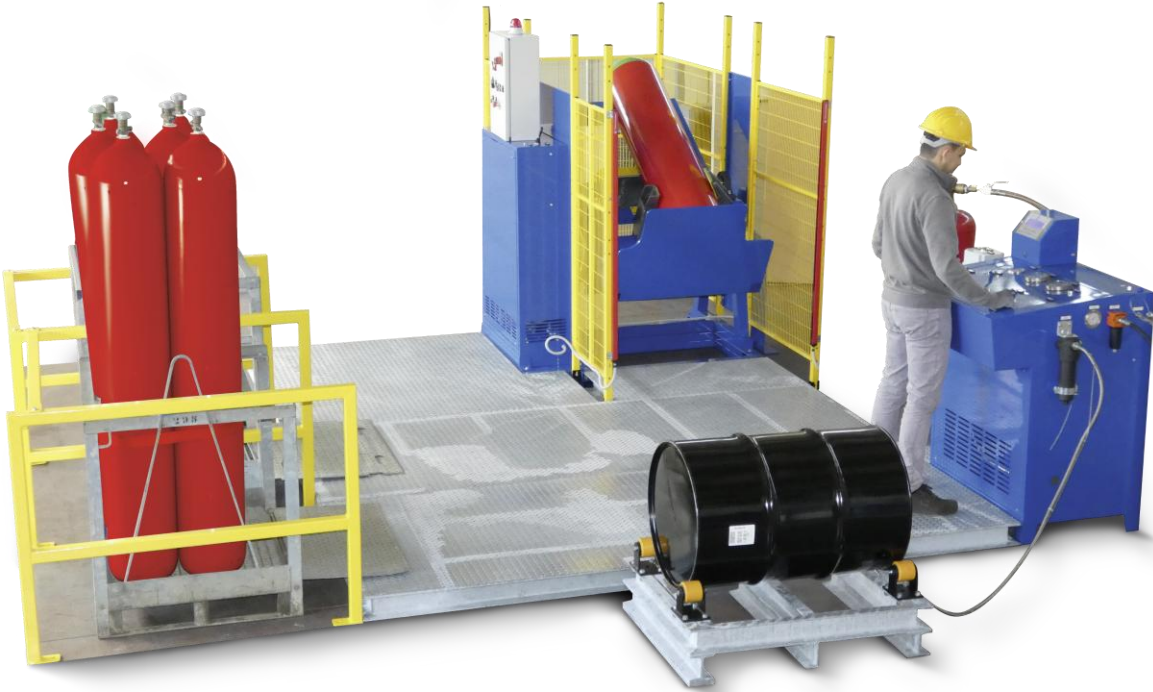
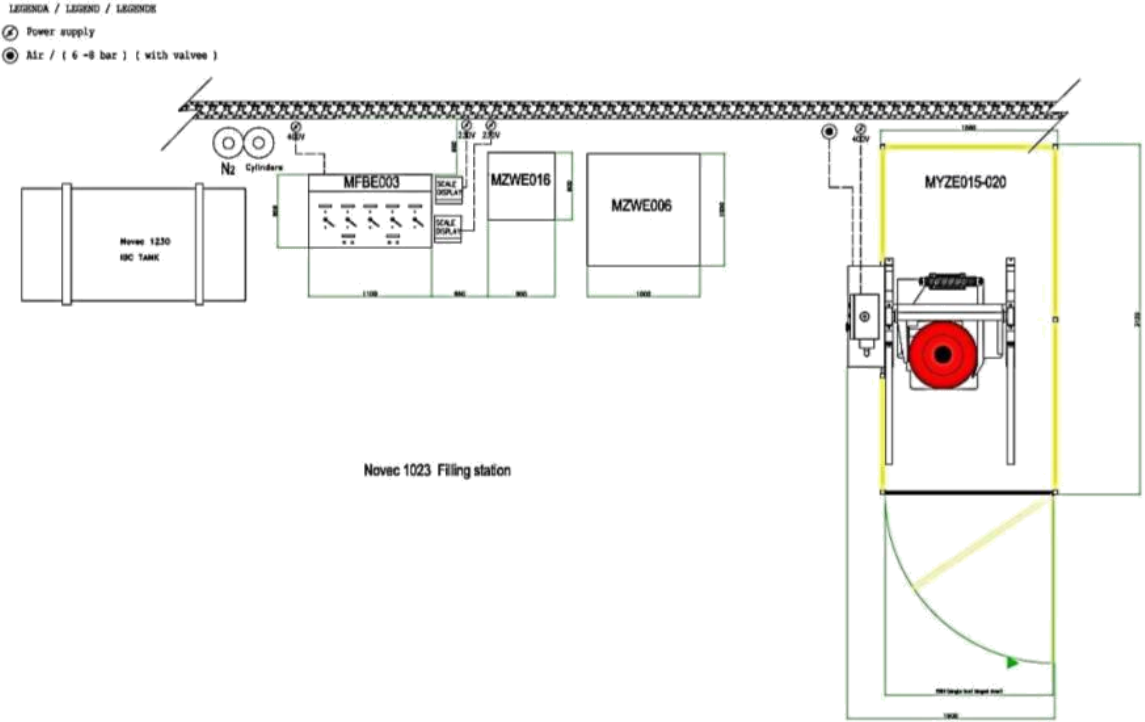
GBMIX1 H5

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



PROTECTION GRID FOR IMPROVED
SAFETY DURING THE MIXING
PHASE

LAYOUT FOR CLEAN AGENTS CYLINDERS FILLING STATION



RESIDUAL MOISTURE ANALYSER AND DRYING PROCESSING UNIT

BB/RC



RESIDUAL MOISTURE ANALYSER AND DRYING PROCESSING UNIT

BB/RC



The most comprehensive range on the market.

INERT GASES FILLING

Systems for cylinder filling with inert gases such as Argon, Nitrogen, CO₂ (IG55, IG100, IG511, IG01) up to 300 bar operating pressure, in compliance with EN12094 and ISO14520 standards.



INERT GASES FILLING STATION

IGFILL

DESIGNED FOR FILLING THE
CYLINDERS USED IN THE INERT GAS
EXTINCTION SYSTEMS

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



INERT GASES FILLING STATION

IGFILL

N2 + ARGON SOURCE
BUNDLE/CYLINDERS

ELECTRICAL
HEATER

CO2 SOURCE
CYLINDER

INERT GAS
FILLING UNIT

INERT GAS
CYLINDERS



INERT GASES FILLING STATION

IGFILL-300





A line of equipment dedicated to inert gases and clean agents cylinders.

EL60-450

Electric valving/devalving

- EL60 allows to screw and unscrew valves from gas cylinders up to $\varnothing 410$ mm.
- Display for torque control and data export.
- This unit is self-supported and can be easily installed on the floor ground.
- It's available with an optional front protection, so to avoid the operator to touch the cylinder during operation.

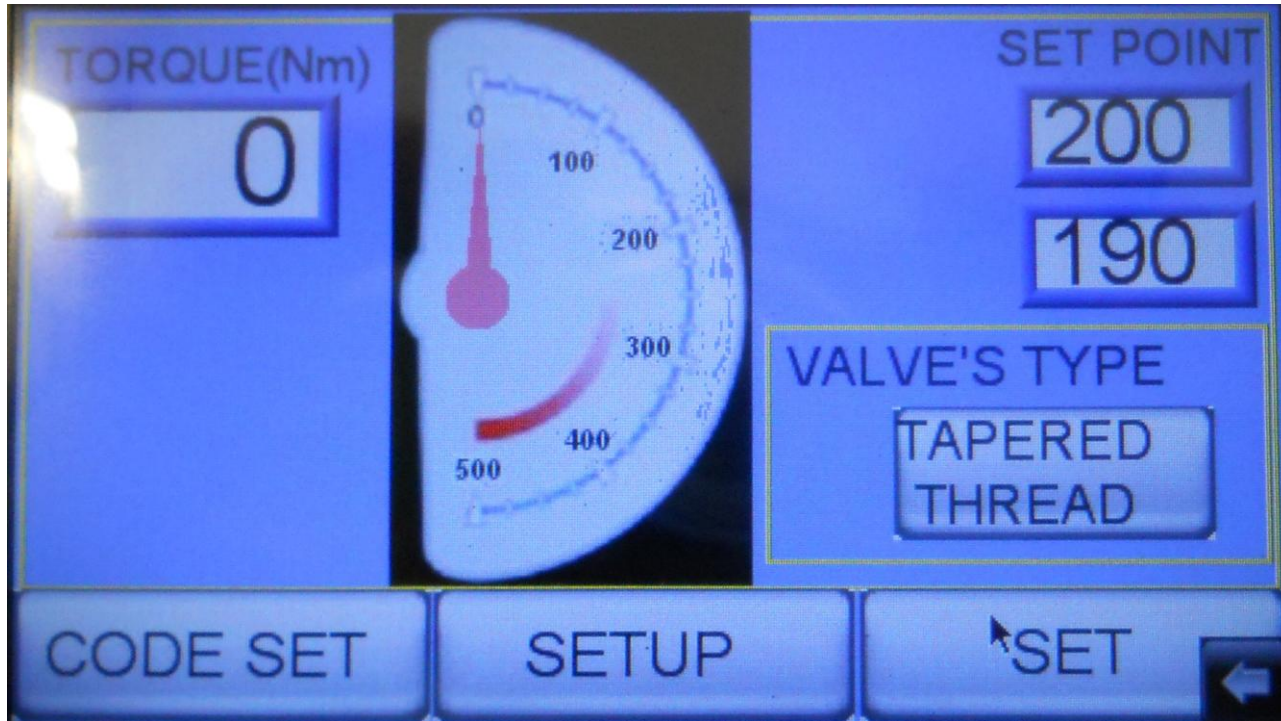
Special KEY for any type
of valve



A new line of equipment for inert gases and clean agents cylinders.

EL60-450

Electric valving/devalving



FIT50-4410

Semi automatic hydraulic cylinder testing

- Hydraulic testing of high pressure cylinders with diameter up to 410 mm, used in the inert gas and clean agent extinguishing systems.
- Water filling, pressure testing and cylinder emptying operations are carried on jointly by the FIT50-4410, making the whole procedure easier, faster and safer.

[FIT50-4410 Cylinder testing machine \(youtube.com\)](https://www.youtube.com/watch?v=...)



FIT50-4410

Semi automatic hydraulic cylinder testing

- DRY-VAP cylinder dryer integrated to the test bench (optional)
- CIL 4 places external dryer (optional)



FIT50-4410

Semi automatic hydraulic cylinder testing

- Water tank: 800 or 1500 lts
- FPF50/4410: front protection door with safety device connected to electrical panel (optional)



HT-1050

Manual hydraulic cylinder and extinguisher testing

- Complete and user-friendly unit for testing extinguishers and cylinders up to $\varnothing 410\text{mm}$.
- Filling and emptying phases are managed by the same self-priming electric pump.
- The stop of the pump once the testing pressure has been reached can be manually managed by the operator or automatically by the unit (option on request).



ICS1850-410

Internal cylinder cleaning

- Internal cylinder cleaning with automated cycle: saves time and resources with an evident improvement in the workshop logistics.
- For cylinders up to $\varnothing 410$ mm.
- All the nozzle positioning functions are achieved by an innovative laser measurer.
- The touch-screen display enables to check the number of cycles, the nozzle movement and all other main operations.
- The automatic cycle and the special design of the nozzle allow to get a perfect cleaning also of the cylinder bottom and neck.
- The recovery system of the micro-spheres allows to minimize consumption, reducing wastes and therefore saving money.



A new line of equipment for inert gases and clean agents cylinders.

ICS1850-410

Internal cylinder cleaning



RCP-410

External cylinder cleaning

- The RCP-410 cleans accurately cylinders and fire extinguishers up to Ø410mm by removing the old paint and the plastic labels from their external surface.
- With the RCP unit, the whole cleaning operations take place inside a close cabin acoustically insulated, helping to keep the workplace clean and silent.



RCP-VMB-410

External cylinder painting

- Designed for the external painting of cylinders up to $\varnothing 410$ mm previously cleaned.
- The unit consists of a professional booth with dedicated paint filter and aspirator with 6.000mc/h of capacity and with n° 1 rotating plate supporting the cylinder and rotating it.



REFRIGERANT GASES FILLING

Transfer units, cylinder and IBC tank filling stations from ISO/stationary tanks for most common refrigerant gases.

- Transfer units from cylinder (ATEX option)
- Transfer units from tanks



TRANSFER FROM IBC TO
CYLINDER

RGT5 series

PNEUMATICALLY DRIVEN
OIL FREE PUMP
LIQUID & GAS PHASE TRANSFER

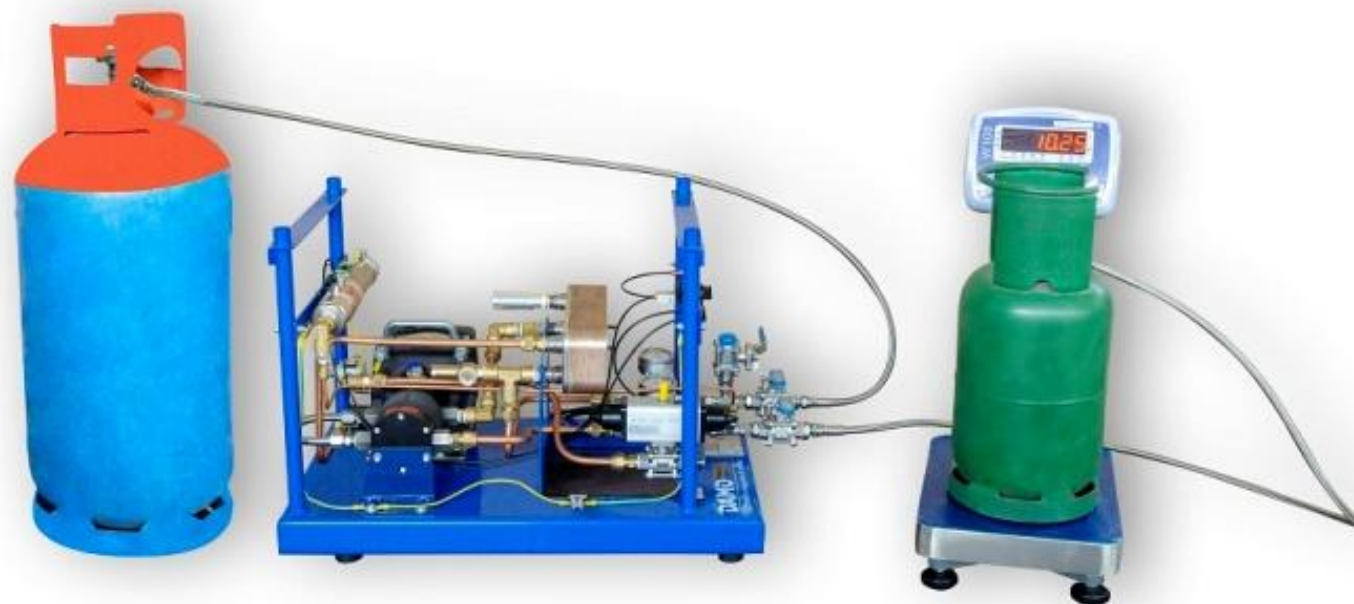


TRANSFER OF FLAMMABLE REFRIGERANT GASES

RGT5 ATEX



USE IN PRESENCE OF
POTENTIALLY EXPLOSIVE
ATMOSPHERES

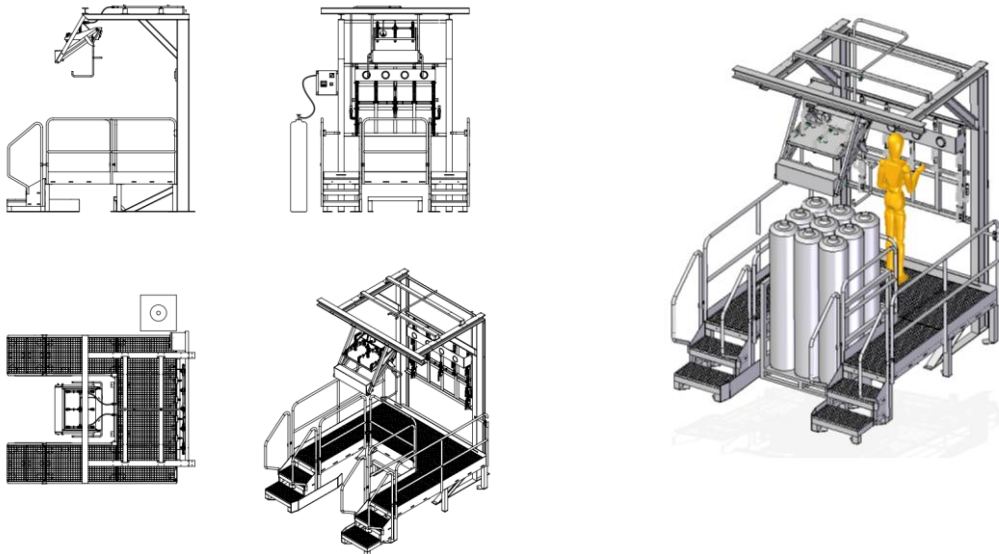




Always delivering new solutions for our clients.

CRYOGENIC FILLING SYSTEM FOR INERT GASES

- Systems for cylinder filling with inert gases such as Argon, Nitrogen, CO₂ (IG55, IG100, IG511, IG01) from cryogenic tanks.
- 300 bar 15°C, according to the harmonised norm EN12094 – ISO14520



CRYOGENIC FILLING SYSTEM FOR INERT GASES

9+9 cylinders
racks

Protection cage



CRYOGENIC SYSTEM FOR INERT GASES



Gas distribution
and mixing panel

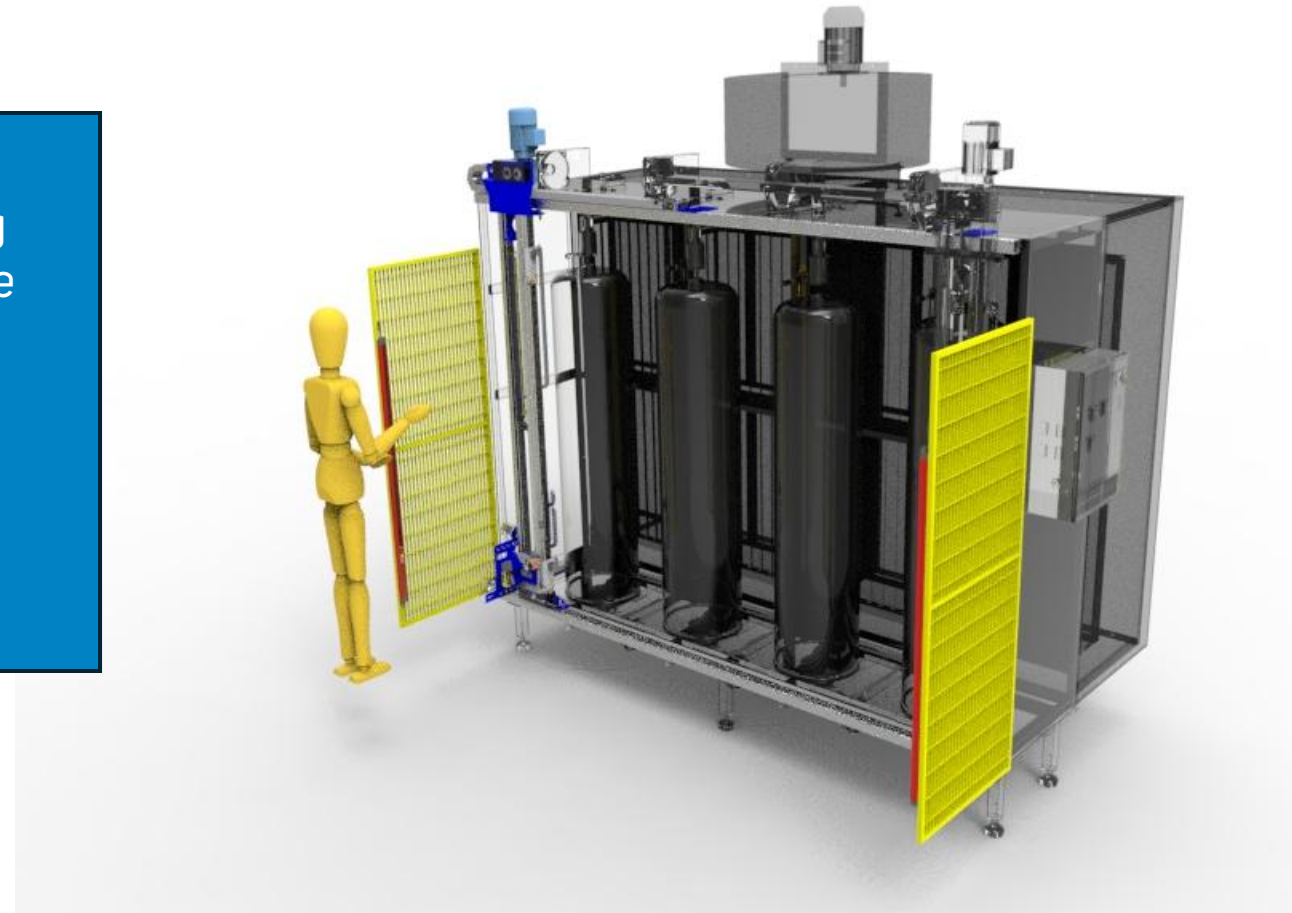
2 gas inlet lines
(1. Argon/Nitrogen – 2. CO2)
2 gas outlet lines



Cryogenic pump
Max working
pressure: 380bar

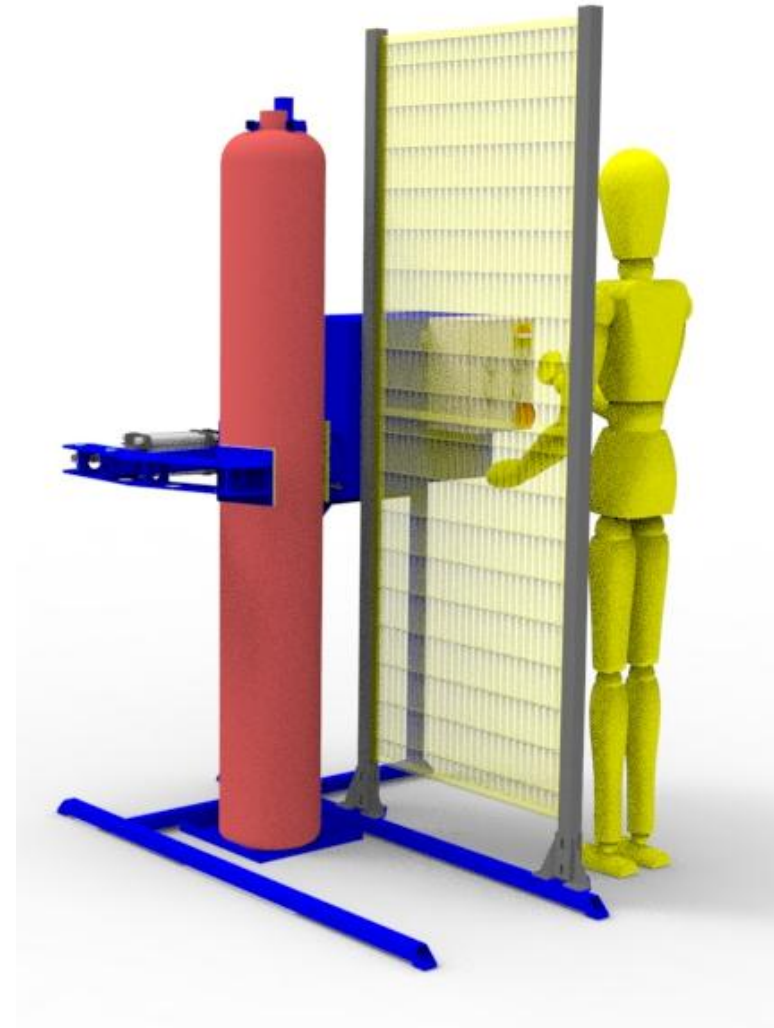
SEMI-AUTOMATIC PAINTING SYSTEM

- Automatic painting option for RCP-VMB cylinder painting machine, that increases massively the performance of the machine.
- It works with water-based liquid paint.
- This system has been already tested with success with important clients.



ONE PLACE CYLINDER INVERTER

- Unit designed to tilt cylinders to 90° and 180°, for emptying residual water after testing and for inspection.
- Ø: 140 to 270 mm
- Height: 700 to 1900 mm
- Max weight: 150 Kgs



CONVALIS

CYLINDER MAINTENANCE STATION

1. CYLINDER DEVALVING – EL60
2. EXTERNAL CYLINDER CLEANING (BRUSHING) – RCP
3. INTERNAL CYLINDER CLEANING (SANDBLASTING) – ICS
4. CYLINDER WEIGHT CHECK – BE
5. HYDRAULIC CYLINDER TESTING – HT or FIT
6. CYLINDER DRYING - CIL





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

DAMOTEK S.r.l. UNIPERSONALE

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info@damotek.com

www.damotek.com

