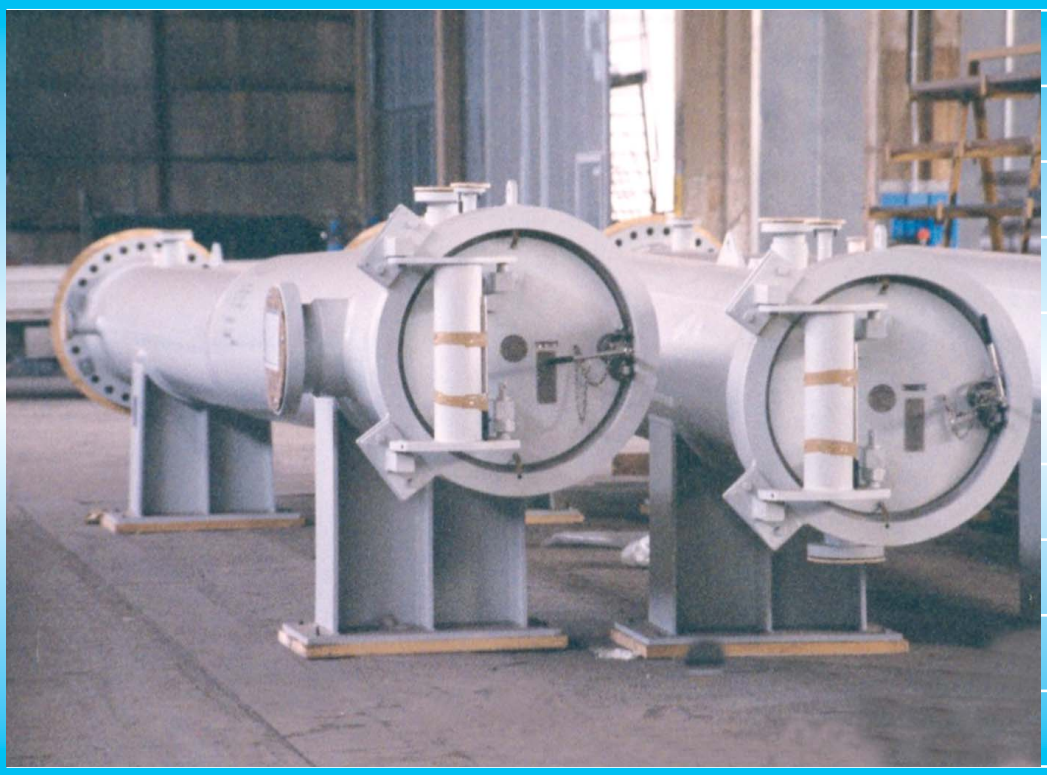
A Long Experience in Energy Equipment and one Goal:

The Customer's satisfaction.

VALVITALIA GROUP



Launching & Receiving Scraper Traps

TGT tormene gas technology

LAUNCHING & RECEIVING SCRAPER TRAPS

Description and features

Valvitalia S.p.A. - TGT Tormene Gas Technology Division, designs and manufactures Launching & Receiving Scraper Traps as stand alone items or included in a package with instrumentation, skid mounted and complete with ball valves and fittings.
Launching & Receiving Scraper Traps include all devices for internal cleaning, gauging, inspection and all devices for launching or receiving the scrapers.
The scraper traps shall be installed on the pipeline to clean periodically the pipeline, to control the corrosion, to remove the liquid increase in gas lines, etc.
Engineering, Design and Manufacturing of several types of Launching & Receiving Scraper Traps depending on Type of pig:

- Sphere
- Pigs
- Intelligent pig

Design Codes applicable are:

- ANSI B31.1; B31.3; B31.4 ; B31.8
- ASME VIII Div.1

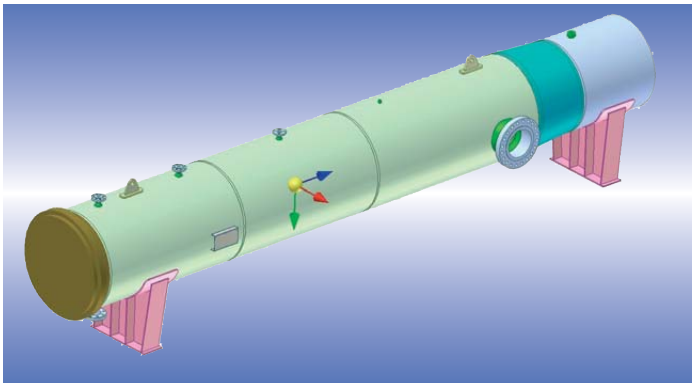
Type of Closure:

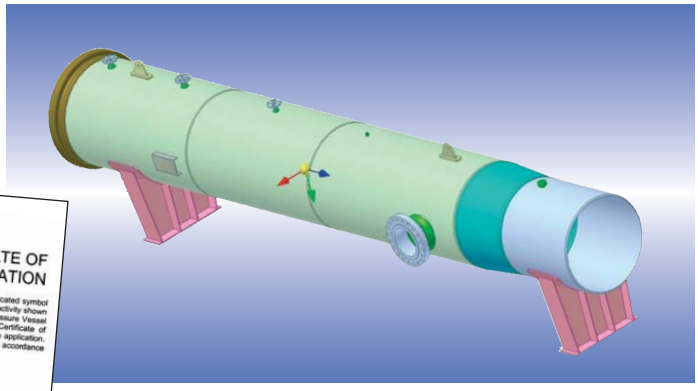
- ASME Clamp JAW
- BLOCK RING
- Threaded type
- BANDLOCK

Accessories:

- Barred Tee
- Handling device
- Jib Crane
- Hoist
- Pig signallers
- Pig trays









CERTIFICATE OF AUTHORIZATION

This certificate accredits the named company as authorized to use the indicated symbol of the American Society of Mechanical Engineers (ASME) for the scope of activity shown below in accordance with the applicable rules of the ASME Boiler and Pressure Vessel Code. The use of the Code symbol and the authority granted by this Certificate of Authorization are subject to the provisions of the agreement set forth in the application. Any construction stamped with this symbol shall have been built strictly in accordance with the provisions of the ASME Boiler and Pressure Vessel Code.

COMPANY:
Valvitalia Spa
TGT Tormene Gas Technology Division
Via Campolongo 97
Due Carrare, Padova 35020
Italy

SCOPE:
Manufacture of pressure vessels at the above location only

AUTHORIZED: February 7, 2005
EXPIRES: February 26, 2008
REVISED: April 4, 2007
CERTIFICATE NUMBER: 30,857

Chairman of The Boiler And Pressure Vessel Committee

The American Society of Mechanical Engineers



CERTIFICATE OF AUTHORIZATION

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COMPANY:
TORMENE GAS TECHNOLOGY SPA
VIA CAMPOLONGO 97
DUE CARRARE, PADOVA 35020
ITALY

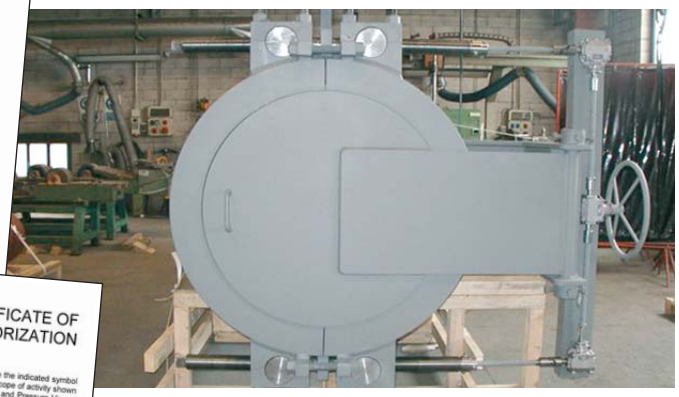
SCOPE:
MANUFACTURE OF PRESSURE VESSELS AT THE ABOVE LOCATION ONLY

AUTHORIZED: FEBRUARY 7, 2005
EXPIRES: FEBRUARY 26, 2008
CERTIFICATE NUMBER: 30,857

Chairman of The Boiler And Pressure Vessel Committee

Director, Accreditation and Certification

The American Society of Mechanical Engineers



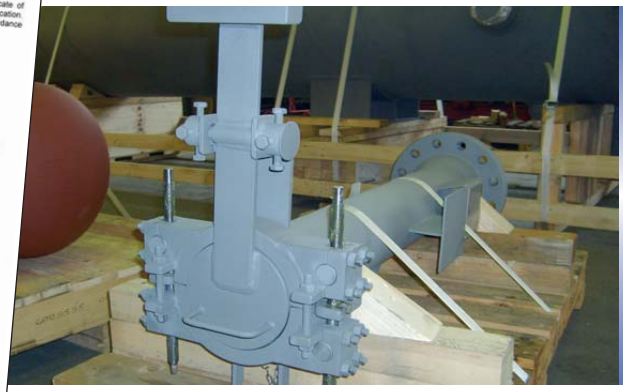




Figure 5: DN 36” X 42”; Length up to 11.900 mm; Empty Weight up to 4300 Kg

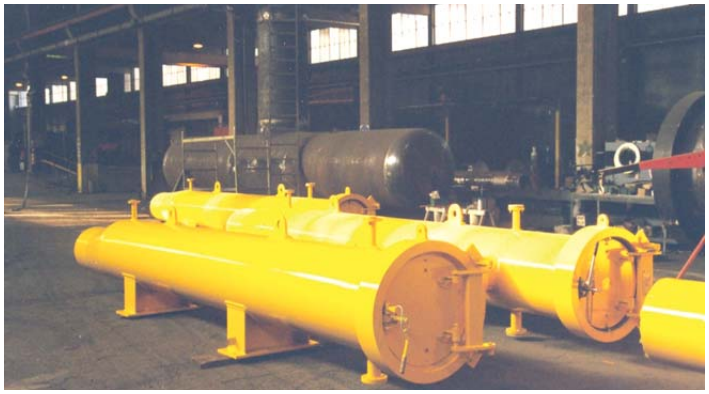


Figure 6: pipeline size 18” x 22” / 18” x 24” 300#



Figure 7: from 8” x 12” up to 16” x 20”; Length up to 3650 mm; Empty Weight up to 1700 Kg



Figure 8: 46” x 42” / 34” x 30”; Length 6500 mm/4800 mm; Empty Weight 8500 Kg / 4700 Kg



Figure 9: 30” x 34” / 16” x 20”; Length 9800 mm / 8200 mm; Empty Weight 4400 Kg / 1800 Kg

TGT reserves the right to change design, specification and materials without notice

A Long Experience in Energy Equipment and one Goal:

The Customer's satisfaction.



Padova Plant.

VALVITALIA GROUP

VALVITALIA S.p.A. - ***TGT Tormene Gas Technology Division***

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