



COMPANY **PROFILE**

MAXIMUM EXPERTISE APPLIED TO THE INDUSTRY



www.marly-pumps.it

Viale dell'Industria 1
37040 Veronella (VR) - Italy

Sede operativa:
Via Salvo D'Acquisto, 4/b -
42020 Albinea (RE) - Italy

Tel. +39 0522 597112
Fax +39 0522 598321
sales@marly-pumps.it

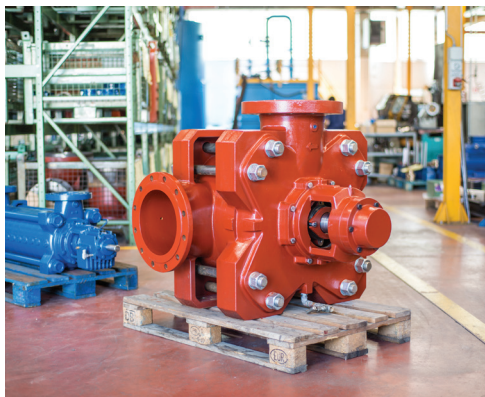
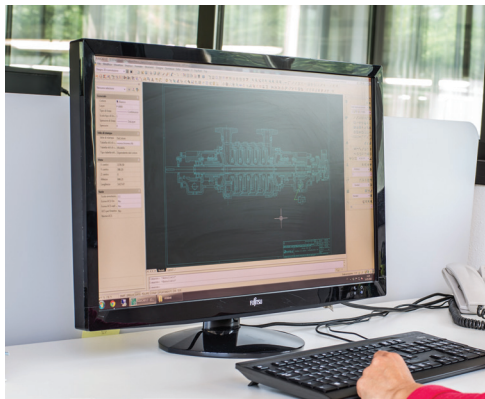


Made in Italy
is
Our Passion

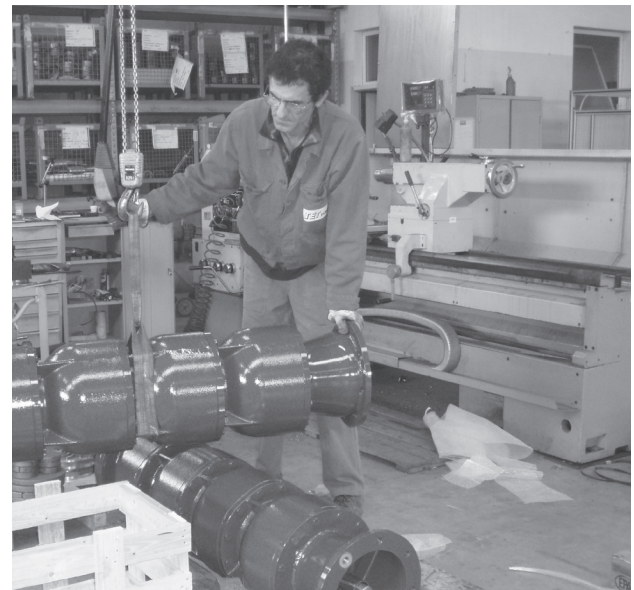


The Company

The Company: Marly is a company specialising in centrifugal pumps and with many years of experience



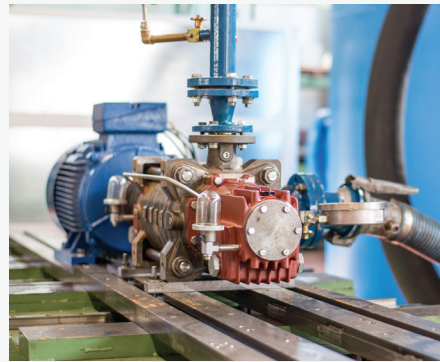
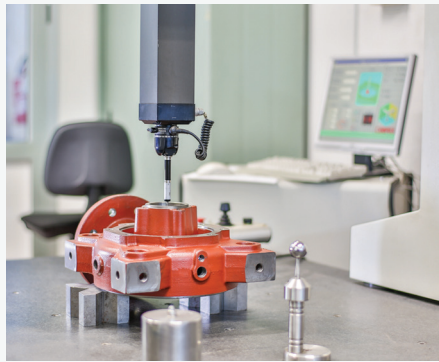
The current managerial staff began an activity of producing pumps with special materials and executions, also on commission, for over 28 different application sectors success in the pump sector since the '70s. Today Marly is a standard-setting player in the industrial pumps sector, with in-house design, production and testing



Maximum Expertise applied to the industry

Production

Marly's Production is situated in the industrial district of Reggio Emilia



Our Products: With its manufacturing department Marly can ensure maximum care and accuracy in all manufacturing stages, from processing cast parts, assembling them and lastly performing hydraulic testing on the pump before shipping. Marly is situated in the industrial district of Reggio Emilia where an extensive network of suppliers with cutting edge technologies and specific and

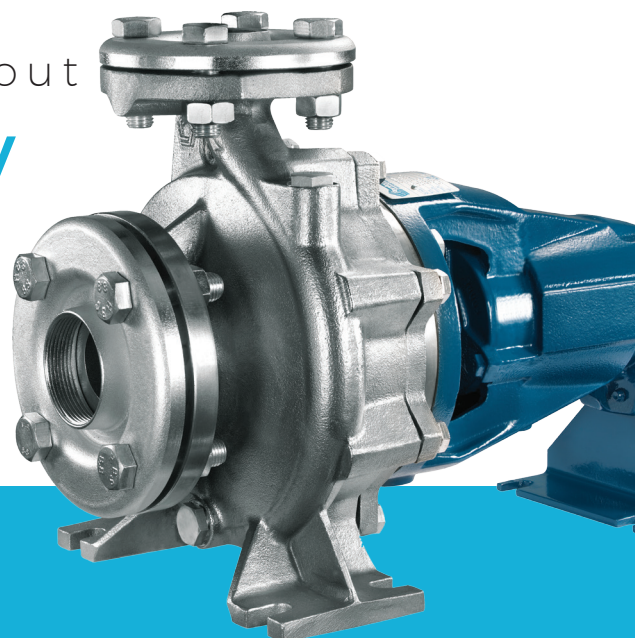
long-standing experience in the centrifugal pump sector make it possible for the company to procure unfinished parts locally, manufactured with quality steel that the market and industrial customers demand with increasing frequency.

We told you about Quality

Marly is ISO 9001 and ISO14000 certified

Quality: Marly is ISO 9001 and ISO14000 certified. The company has a control structure and a continuous improvement plan for the production processes that ensure that every pump manufactured follows the strictest production and control standards in the sector. Supplier certification control phases are carried out at the beginning of the production process to guarantee that all of the materials entering the company fulfil the specifications, and during every work

phase each part is controlled using traditional instruments, as well as computerised systems for parts with complex shapes. The final inspection stage for hydraulic performances is carried out with static and/or dynamic tests on all the pumps made. internal quality profiles



CERTIFICATO
Nr 50 100 3634 - Rev. 04

Si attesta che / This is to certify that
IL SISTEMA QUALITÀ DI
THE QUALITY SYSTEM OF
PENTAX S.p.A.

SEDE LEGALE E OPERATIVA:
REGISTERED OFFICE AND OPERATIONAL SITE:
**VIALE DELL'INDUSTRIA 1
I-37040 VERONELLA (VR)**

È CONFORME AI REQUISITI DELLA NORMA
HAS BEEN FOUND TO COMPLY WITH THE REQUIREMENTS OF
UNI EN ISO 9001:2008

QUESTO CERTIFICATO È VALIDO PER IL SEGUENTE CAMPO DI APPLICAZIONE
THIS CERTIFICATE IS VALID FOR THE FOLLOWING SCOPE

**Progettazione e fabbricazione di elettropompe e sistemi di pressurizzazione
per acque. Commercializzazione di pompe sommerse e accessori per pompe
(DAF 18, 29)**
*Design and manufacture of electric pumps and pressure systems for water.
Trade of submersed pumps and accessories for pumps (DAF 18, 29)*

Per l'Organismo di Certificazione
For the Certification Body
TÜV Italia S.r.l.

Validità / Validity
Dal / From: **2015-11-01**
Al / To: **2018-09-14**

Data emissione / Printing Date
2015-11-02

PRIMA CERTIFICAZIONE / FIRST CERTIFICATION: 2005-12-22

LA VALIDITÀ DEL PRESENTE CERTIFICATO È SUBORDINATA A SORVEGLIANZA PERIODICA A 12 MESI E AL RESUME COMPLETO DEL SISTEMA DI GESTIONE AZIENDALE CON PERIODICITÀ TRIENNALE
THE VALIDITY OF THE PRESENT CERTIFICATE DEPENDS ON THE ANNUAL SURVEILLANCE EVERY 12 MONTHS AND ON THE COMPLETE REVIEW OF COMPANY'S MANAGEMENT SYSTEM AFTER THREE YEARS

TÜV Italia S.r.l. - Gruppo TÜV SÜD - Via Carducci 125, Pal. 23 - 20099 Sesto San Giovanni (MI) - Italia - www.tuv.it

CERTIFICATO
Nr 50 100 12552

Si attesta che / This is to certify that
IL SISTEMA DI GESTIONE AMBIENTALE DI
THE ENVIRONMENTAL MANAGEMENT SYSTEM OF
PENTAX S.p.A.

SEDE LEGALE E OPERATIVA:
REGISTERED OFFICE AND OPERATIONAL SITE:
VIA DELL'INDUSTRIA 1 I-37040 VERONELLA (VR)

È CONFORME AI REQUISITI DELLA NORMA
HAS BEEN FOUND TO COMPLY WITH THE REQUIREMENTS OF
UNI EN ISO 14001:2004

QUESTO CERTIFICATO È VALIDO PER IL SEGUENTE CAMPO DI APPLICAZIONE
THIS CERTIFICATE IS VALID FOR THE FOLLOWING SCOPE

**Progettazione e fabbricazione di elettropompe e sistemi di pressurizzazione
per acque mediante processi di lavaggio e impregnazione dei getti di ghisa,
lavorazioni meccaniche, bilanciatura rotanti, assemblaggio, verniciatura,
imballo e spedizione. Commercializzazione di pompe sommerse e accessori
per pompe (DAF 18, 29)**
*Design and manufacture of electric pumps and pressure system for water by
processes of impregnation and cleaning of cast iron items, mechanical
machining, impellers and motor shafts balancing, assembling, painting,
packing and shipment. Trade of submersed pumps and accessories for
pumps (DAF 18, 29)*

CERTIFICAZIONE RILASCIATA IN CONFORMITÀ AL REGOLAMENTO TECNICO ACCREDIA RT-09
CERTIFICATION ISSUED IN ACCORDANCE TO ACCREDIA TECHNICAL REGULATION RT-09

Per l'Organismo di Certificazione
For the Certification Body
TÜV Italia S.r.l.

Validità / Validity
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Al / To: **2017-05-15**

Data emissione / Printing date:
2014-05-16

LA VALIDITÀ DEL PRESENTE CERTIFICATO È SUBORDINATA A SORVEGLIANZA PERIODICA A 12 MESI E AL RESUME COMPLETO DEL SISTEMA DI GESTIONE AZIENDALE CON PERIODICITÀ TRIENNALE
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CUSTOMER SERVICE



Marly offers a number of tools for both pre- and post-sale customer support. Today, thanks to many years of experience in industrial sectors and the most advanced programming and data processing instruments in the mechanical and chemical fields, Marly is able to provide customers with a set of competencies and analysis tools with high added value.

PRE-SALES

During the initial assessment of the various products, Marly technical personnel are available to draft technical reports that allow customers to compare our solutions with those described in the technical specifications. Should there be no specifications, the technical department develops a proposal based on the plant or final user data, with a description of the results the Marly solution would achieve. Marly also has nation-wide support

FULLY COMPREHENSIVE BEFORE AND AFTER SALES ASSISTANCE WITH THE ASSISTANCE OF HIGHLY

programs as part of its pre-sales and promotional activity.

To this end, technical seminars are held regularly at design studios or consulting departments in order to highlight the technical advantages of Marly solutions and to help consultants fill out technical specifications.

POST-SALES

Upon request, once the job order has been purchased, Marly and its staff of engineers can accompany the customer through the delicate plant installation and commissioning phase. Supervision during this first operating phase ensures proper operation and the performance determined during the design phase.

Marly technical personnel can



hold training sessions even at this phase, dedicated to the customer's installation team or the local Marly distributor in order to ensure technical support at the workplace even after the plant has begun normal operation.

APPLICATION FIELDS

The following is a list of some of the industrial sectors in which Marly pumps have been installed for years.

In many, Marly has solid know-how of the processes and is, therefore, able to provide customers with its experience to ensure successful pump installation and long-lasting operation.



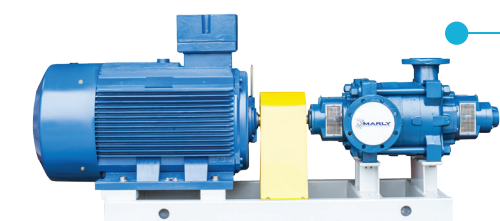
a few numbers
More than 100
export countries.



More than 80%
of the exported value.

Over 40 years
of experience.

OUR RANGE



SURFACE

Multistage

Ultra S: Monobloc Horizontal Multistage Centrifugal built with AISI 304 $Q_{max}=25 \text{ m}^3/\text{h}$ - $H_{max}=84\text{m}$

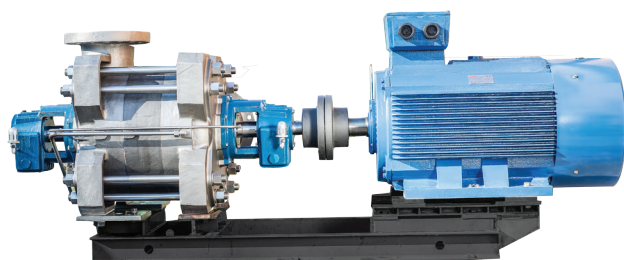
Ultra SV/SL: Vertical Multistage Centrifugal, available in AISI 304 version $Q_{max}=24 \text{ m}^3/\text{h}$ - $H_{max}=245\text{m}$

MSH-MSV: Vertical and Horizontal Multistage Centrifugal $Q_{max}=90 \text{ m}^3/\text{h}$ - $H_{max}=260\text{m}$

AMSH: Horizontal Multistage Centrifugal with bare shaft $Q_{max}=90\text{m}^3/\text{h}$ - $H=260\text{m}$

HP: Horizontal Multistage Centrifugal for Industrial applications $Q_{max}=1,200\text{m}^3/\text{m}$ - $H_{max}=1,000\text{m}$

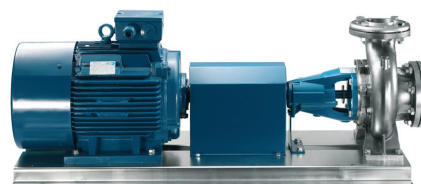
Available in Marine grade Bronze, AISI 316, AISI 904, Duplex, Super Duplex steels



Centrifugal

CM: Threaded single-impeller centrifugal $Q_{max}=21 \text{ m}^3/\text{h}$ - $H_{max}=56\text{m}$

CB: Threaded twin-impeller centrifugal $Q_{max}=36\text{m}^3/\text{h}$ - $H_{max}=98$



Normalised EN733

CM: Monobloc Flanged centrifugal according to EN733 $Q_{max}=330 \text{ m}^3/\text{h}$ - $H_{max}=91\text{m}$

CA : Flanged centrifugal on Base according to EN733 $Q_{max}=600 \text{ m}^3/\text{h}$ - $H_{max}=142\text{m}$

VERTICAL AXIS

VERTICAL AXIS PUMP

VP: Multistage with Vertical Axis $Q_{max}=1,400 \text{ m}^3/\text{h}$ - $H_{max}=260\text{m}$
Available in Marine grade Bronze, AISI 316, Duplex steel

HPV : Vertical Multistage with Submersed hydraulics and side delivery $Q_{max}=130 \text{ m}^3/\text{h}$ - $H_{max}=520\text{m}$
Available in Marine grade Bronze, AISI 316, Duplex steel





SUBMERSIBLE



SUBMERGED PUMPS:

- 4":** Multistage Submersed Pumps series 4S Multistage Submersed Pumps series 4SX
 $Q_{max}=24\text{m}^3/\text{m}$ - $H_{max}=280\text{m}$
- 6":** Multistage Submersed Pumps series 6S Multistage Submersed Pumps series 6SS Multistage Submersed Pumps series E6- EN6
 $Q_{max}=70\text{m}^3/\text{m}$ - $H_{max}=700\text{m}$
- 8":** Multistage Submersed Pumps series 8SS Multistage Submersed Pumps series RG-RN-E
 $Q_{max}=220\text{m}^3/\text{m}$ - $H_{max}=800\text{m}$
- 10":** Multistage Submersed Pumps series 10SS Multistage Submersed Pumps series R-E
 $Q_{max}=400\text{m}^3/\text{m}$ - $H_{max}=800\text{m}$
- 12"-14":** Multistage Submersed Pumps series 12"E Multistage Submersed Pumps series 14"E
 $Q_{max}=850\text{m}^3/\text{m}$ - $H_{max}=250\text{m}$

Submersed Motors:

- MPE: Oil-submersed motors 4" and 6"
 MPEW: Water-submersed motors 4" and 6"
 B: water-submersed motors 6", 8", and 10"
 I: water-submersed motors 6", 8", and 10"

P max=185 Kw

Drainage for rain water

- DX: drainage Stainless steel $Q_{max}=18\text{ m}^3/\text{h}$ - $H_{max}=10\text{m}$
 DG: drainage Cast iron $Q_{max}=24\text{ m}^3/\text{h}$ - $H_{max}=10\text{m}$
 DH: drainage with ring impeller
 $Q_{max}=18\text{m}^3/\text{m}$ - $H_{max}=20\text{m}$

Drainage for Loaded water

- DV-DV4: drainage for loaded liquids with Vortex impeller
 $Q_{max}=25\text{ m}^3/\text{h}$ - $H_{max}=20\text{m}$
 DM-DM4: drainage for loaded liquids with channel impeller
 $Q_{max}=180\text{ m}^3/\text{h}$ - $H_{max}=32\text{m}$

DC: drainage with ring impeller

- $Q_{max}=55\text{ m}^3/\text{h}$ - $H_{max}=55\text{m}$
 DTR: drainage for loaded liquids with "Grinder" impeller
 $Q_{max}=21\text{ m}^3/\text{h}$ - $H_{max}=54\text{m}$



WATER TREATMENT:

- desalination plants
- post-process water and oil treatment plants
- reverse osmosis plants (RO)
- demineralisation plants
- filtration and ultra-filtration plants
- UV plants

WATER DISTRIBUTION:

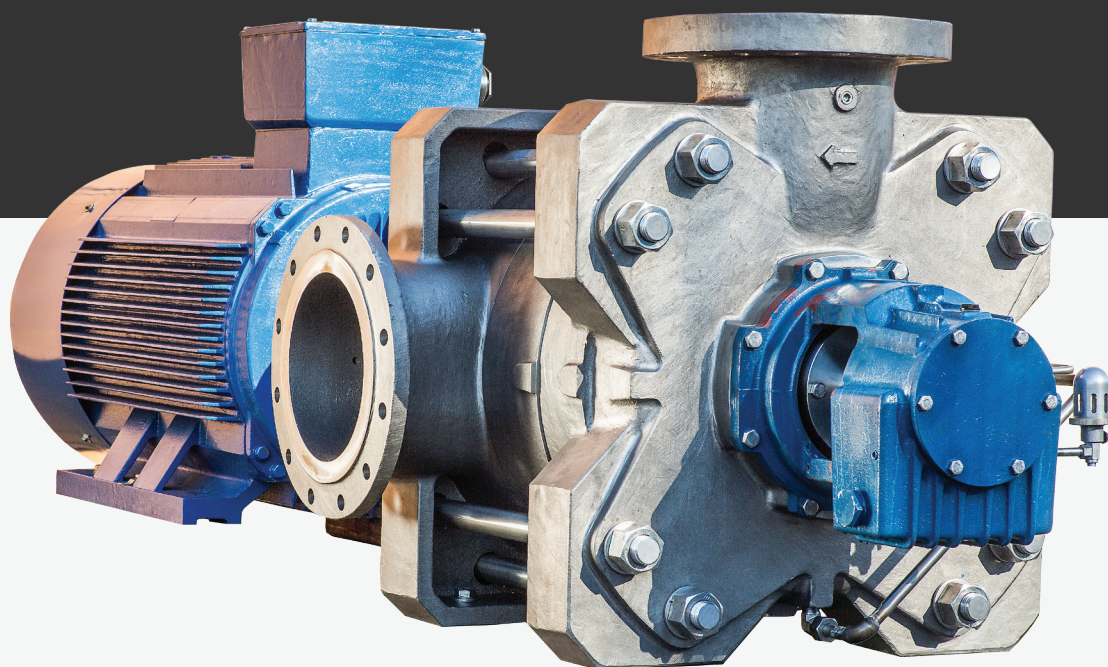
- water mains
- domestic irrigation and sprinkler systems
- Pivot agricultural irrigation systems
- distribution in civil and domestic sectors
- water plant pressurisation

HEAVY INDUSTRY

- power plants
- geothermal plants for energy production
- naval sector
- oil plants
- paper industry
- mines
- process plants
- steel factories
- off-shore installations for oil and gas
- boiler supply
- shipbuilding
- land drainage plants

CHEMICAL INDUSTRY:

- foodstuff industry
- sugar factories
- chemical and petrochemical plants
- pharmaceutical industry
- refineries
- paint plants
- acrylic fibre production plants
- fishing farming industry
- greenhouse crop fertilisation plants



We show you

CASE STORY

GEOTHERMAL ELECTRIC POWER PLANT

Marly horizontal Multistage pumps re-inject geothermal water into steam production wells.

Enel Green Power and Marly, a success story.

In the Tuscan inland area that spans from the Siena province to the Grosseto province, there is an important district for geothermal energy use, the only one of its kind in the world for the technology used and the amount of electricity produced.

In this context, Marly has been collaborating for many years with Enel Green Power, the company that has managed this district since the beginning of last century (the first drill was done in 1907). This long-standing collaboration has led Marly to develop bespoke products that fully meet Enel's harsh technical specifications for these applications with optimal reliability results.

The steam is conveyed with

special steel piping to the plants for production and transformation into electricity via steam turbines. Marly pumps intervene in the following phase, when the re-condensed steam after the production process is collected and re-injected into the underlying geothermal field wells to transform the re-condensed water into new steam for electricity production, thus triggering a virtuous cycle of clean energy.

Marly pumps are also used in the intermediate "AMIS" phases, where the steam is "cleaned" of aggressive minerals and components that could harm the plant's environment and equipment.

In these phases, Marly pumps must work with a high percentage of chemical substances like caustic soda and high temperature geothermal water.





A BROAD RANGE OF PRODUCT

