



CE MADE IN ITALY

BOOSTER PRESSURIZATION SETS - PACKAGED PRESSURE UNITS AND SYSTEMS

VALCO®
International trademark



Manufacturing Group established in Italy in 1976 worldwide.
Works, Pump & Motor Test Laboratory, Pumps and Electric Motors Research Centre.

Exclusive High Tech Pumps for Water and Other Fluids, Motors and Controls, in Standard or Custom Designs.

VALCO: THE MOST COMPLETE RANGE OF PUMPS FOR DOMESTIC, AGRICULTURAL, INDUSTRIAL AND CIVIL USE AND A RELIABLE SOURCE OF PUMP AND MOTOR SERVICE:
A GLOBAL, INNOVATIVE AND COMPETITIVE PUMPING AND MOTORS SOLUTION.

WATER AND PUMPS ARE ESSENTIAL FOR LIFE!

BOOSTER PRESSURIZATION SETS - PACKAGED PRESSURE UNITS AND SYSTEMS

Booster construction

Made of 1, 2 or more service electric pumps also version with Jockey Pump, (centrifugal, jet, multistage horizontal and vertical), with controls either electric, electronic or with variable speed inverter (with frequency control with modulation: to make an "Intelligent Pump") with high efficiency and lower power consumption and energy saving to meet EU Classes recommendations and according to Kyoto Protocol, with a wide range of settings, protections also with remote control.

Applications

Drinking Potable water applications. Raising water for general use from varied sources: residential, civil, agricultural and industrial uses; providing sufficient water delivery to meet users' demand and maintaining a sufficient minimum pressure in the system to ensure that the water reaches all points of demand: it enables the system to constantly adapt to your demands. Ideal to make up for insufficient pressure or shortages of water supply from the public water supplier or for water supply from varied sources (tanks, wells, etc.).

They are widely used also in agricultural and industrial applications where variable capacities at a constant pressure are required.

Innovations and Specialties

Special executions built with materials, (i.e. all stainless steel) following EU Directive 98/83/CE referring to waters for human consumption.

We build on demand Special Booster Sets for the most efficient and effective handling of Water Resources, for lower Power Consumption and Energy Saving according to Kyoto Protocol also through the use of Alternative Energy Sources. Water Turbines for the production of Green Energy.

Ranges of Performance:

- Capacity (flow rate) up to 400 m³/h
- Head up to 260 m
- Powers from 0.37 ÷ 22 kW

EFFICIENCY LEVELS FOR THREE PHASE MOTORS to IEC 60034-30 when applicable or required:

IE1 = Standard Efficiency.

IE2 = High Efficiency (comparable to USA EPACT 60 Hz).

IE3 = Premium Efficiency (comparable to USA *NEMA Premium 60 Hz).

Ecodesign EUP Directive 200532/EC and Commission Regulation EC 640/2009.

Sets Controlled by:

- Electric Panel Starter and Pressure Switch with Tank and 1 - 2 or more Pumps
- TC Drive Twin-Electronic Pump Controller for 1 or 2 Pumps
- Variable Speed Inverter V or T Drive with 1 - 2 or more Pumps

Prej

predisposed sub-assembly with pump type 148J



Awssj-pt

controlled by pressure switch and with membrane tank



1 pump type 139J, 8 litre tank



1 pump type 148J, 24 litre tank



1 pump type 148J-SS, 24 litre tank with fixed membrane



1 pump type 148J with VALCOTANKCONTROL (Electronic Pressure Control System) and 19 litre tank

BOOSTER PRESSURIZATION SETS - PACKAGED PRESSURE UNITS AND SYSTEMS

Awssj-2spt

with 2 pumps and controlled by electric panel starter with pressure switch and with 2 units of 19 litre tank



Awssn-2spt

with 2 pumps and controlled by electric panel starter with pressure switch and with 2 units of 19 litre tanks with special execution for water suitable for human consumption following EU directive 98/83/CE



Awssnb-2sp

with 2 pumps and controlled by electric panel starter with pressure switch



KIT-A2P

Stainless Steel Kit for easy and rapid assembly of 2 or more Pumps Booster Pressurization Set



Awssj-2tch

with 2 pumps and controlled by 1 VALCO TC-Drive twin-electronic pump controller and with special execution for water suitable for human consumption following EU directive 98/83/CE



Awssjn-2vh

with 2 pumps and controlled by 2 VALCO V-Drive variable speed inverters and with special execution for water suitable for human consumption following EU directive 98/83/CE



STANDARDS, EU DIRECTIVES, REGULATIONS AND RECOMMENDATIONS

NATIONAL, REGIONAL AND INTERNATIONAL STANDARDS

Electric Motors to IEC, IEC 60072-1, IEC 60034-7, IEC 60034-1, IEC 60034-5, EN 50347 Standards.

National Standard Organizations: DIN, BSI, ANSI, NIST, JISC, UNI, GOST-R, SAC, SAI, AENOR, SIS, KATS, DGN, PKN, SASO, SABS, TSE, TCVN, etc.

Low Voltage versions 42V AC following rules CENELEC HD 400.1 for use in installations with safety rules against electrocution.

Most international standards.

Kindly contact us for confirmation and certifications and approvals details.

EU DIRECTIVES

EU Directive 98/83/CE suitable to waters for human consumption executions, RoHS-2002-2002/95/EC Directive, Low Voltage Directive 2006/95/CE, Machines Directive 98/037/EEC, Electromagnetic Compatibility Directive 89/336/EEC, Executions Flame-proof ATEX  Directive 94/9/EC for equipment intended for use in potentially explosive atmospheres Exd-II-B-T3-II-2-G.

CERTIFICATIONS and APPROVALS

All major International and National Certifications and Approvals are obtainable on our products through Certifying Bodies and Authorities like UL, NSF, CSA, IMQ, TÜV, ETL, SGS, QSA, ASME, API, WRc, NSF, IAPMO, TTK CE, SEMKO, PSE, GOST-R, UL, CSA, WIMES 3.03 with Certifications and Approvals: BSI, TUV4807, TUV20013, TUV20014, TUV20016, TUV20020, TUVCE0036, Crecep, DVGW, IAPMO, WRAS20014, WRAS20015, WRAS20016, WRAS20018, WRAS20020, DIN 531, DIN 537, DIN 541, DIN P 637, VQM, etc.

Kindly contact us for confirmation and certifications and approvals details.

We provide Testings, Conformity and Inspection Certificates through our Valco modern Testing Laboratory and through major Approved Service and University Testing Laboratories: RTM Breda, CMC, CREI-VEN, NANOFAB, CIVEN, ECSIN, PARCO VEGA; Universities: Università degli Studi di Padua, Università Ca' Foscari di Venice, Università degli Studi di Verona, etc.



Trademark **VALCO** is a registered trademark of VALCO srl.

Trademarks *Conva, Jetdom, Irrigua, Casalunga, Vera, Dernajo, Prima, Ligua* are registered trademarks of Valco srl.

Noryl® and General Electric® are registered trademarks and exclusive property of General Electric Company (GE).

Costenaro Valerio  is a registered trademark of Valerio Costenaro.

All trademarks and registered trademarks are the property of their respective owners.

Other company, product, and service names may be trademarks or service marks of others.

Reduction in speed will result in a fall of performance.

DO NOT RUN PUMP DRY!

Single phase motors may be provided on request with overload motor protection, on 3 phase version the overload motor protection must be provided by the user and we can offer you our lines of control and protection panels (starters).

Tolerances according to ISO 9906, Annex A.

Features subject to change – not contractually valid unless specifically authorized by VALCO.

Copyright © 1976-2013 by VALCO srl. All rights reserved. Reproduction even partial not permitted.

Ref. Valco-TC-Boosters-Jan2013-0

EFFICIENCY LEVELS FOR THREE PHASE MOTORS to IEC 60034-30 when applicable or required:

IE1 = Standard Efficiency

IE2 = High Efficiency (comparable to USA EPACT 60Hz)

IE3 = Premium Efficiency (comparable to USA "NEMA Premium 60Hz)

Ecodesign EUP Directive 200532/EC and Commission Regulation EC 640/2009.

PUMPS AND MOTORS TO LAST AND TROUBLE-FREE

We want to help our Customers to be Successful, by providing the Best Products and the Highest Service at Competitive Market Prices.

We Solve Pumping Problems, also the most difficult ones, Designing and Building for you the most Reliable, Efficient and Competitive Pumping Solutions.

Contact us for your Pumping Problems !

60 Hz available all throughout the range: please apply.

We provide full Technical Service, Spare Parts, Assistance and Aftersale Service and Maintenance through our Valco Distributors' Network and our Valco Service Centres.

VALCO®
water is the future®

VALCO® International trademark.

Useful and valuable products for progress, prosperity and peace®

Head Office, Works, Pump & Motor Test Laboratory Pumps and Electric Motors Research Centre.

VALCO srl

Via dell'Industria, 27-29

I-36063 MAROSTICA (Vicenza)

Veneto, (Venice Region) - EU - Italy

Ph.: +39-0424-77847

Fax: +39-0424-475806

E-Mail:valco@valco-costenaro.com

Http://www.valco.eu