

CE MADE IN ITALY

VALCO®  
International trademark



### FITTINGS

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!***

**FITTINGS** a complete line of Fittings for Pumps and Pumping Systems to ensure fast installation and complete success.

**Level Control** - Float Level Switches for drainage pumps applications, Fluid Level Regulators for wastewater pump stations mercury-free (no mercury) in conformity with EU RoHS directive (2002/95/EC). Stainless Steel Versions for high temperatures. Probes and Sensors for Level, Pressure, Temperature and Flow. Also available Flame-proof executions following ATEX Directive 94/9/EC for equipment intended for use in potentially explosive atmospheres.

**Pressure and Flow Control** - Pressure Switches(Pressostats), Constant Pressure Valcontrols, Electronic Pumpcontrollers and Flow Regulators - it protects the pump from loss of prime and from dry running, eliminating cycling and keeping constant pressure and constant flow. Flow Metering Devices to measure the flow of water or fluid in a circuit. Pressure Gauges (Manometres).

**Electric and Electronic Control** - Starters, Control Panels and Variable Speed Inverters, (frequency control with modulation), to control, protect and modulate the pumpset (for submersible borehole, drainage and sewage, surface and booster sets: to make an "Intelligent Pump"). Remote Control Devices.

**Hoses and Connectors** - Flexible Hoses also in stainless steel corrosion-proof. 3way and 5way brass connectors.PVC Steel suction Casings and Pipes with screens, well and raising heads, adapters, closing caps for Borehole and Conva Deep Well Pumps. Fittings for Polyethylene Pipes.

**Valves** - Non return Check , Foot, Ball, Swing Check Valves, made of brass, bronze, stainless steel, cast iron, ecological, lead-free, multipurpose, free passage full flow to minimize friction losses and to maximize suction performance of pumps, no-clog, best for drinking water also in acetal resin and polypropylene with available sizes from 1/2" to 4". Pressure Reducers and Pressure Stabilizers, Safety Valves, Surge and Pressure Diaphragm Relief Valves to reduce the excess pressure generated to avoid major damages to the equipment -designed to protect systems and persons from the dangers and damages of over pressure in water and heating pipe systems. Flanged Ball Retaining Valves for sewage wastewater pumps and systems. Special Valves for petrol and chemical Industry, off-shore installations and pipelines. High Pressure Valves, Globe Valves for harsh services, check non return Valves to prevent flow reversal in severe applications to ASME, API, DIN, ISO and other Standards.

**Filteres with Cartridges** - In-Line Cartridge Water Filters with Cartridges. Impurity collecting Filters, Self-Cleaning Filters.

**Replaceable Membrane Vessels with Spare Membranes** - Replaceable Membrane Vessel Accumulator Draw Off Tanks (diaphragm, bladder and accumulators tanks, reservoirs, deposits, liners, etc.) in coated steel and in stainless steel corrosion-proof and with high quality and long life resistant ecological butyl membrane(also with stainless steel flanges and in all stainless steel execution) suitable for Drinking Water for human consumption conforming to CE 0036 and requirements PED 97/23/CE, for electric pumps and booster sets. Filtration system tank for Reverse Osmosis. Expansion Tanks for sanitary hot water, for water heaters, for Central Heating and Solar Energy Systems. Vessels for Boilers, Heat Exchangers. Aries Stainless Steel Tanks to act as Water Hammer arrestors- Backflow Preventors and Back Flow Prevention Devices.

**Components and Parts for HVAC (Heating, Ventilation and Air Conditioning)** - Manifold Connecting Kit for Heating Circuits. Preassembled Manifolds. Circulation Pump Kit with Thermostatic Valves and By-Pass. Hydronic Solutions.

**Joining Kits and Electric Cables** - Joining Kit to join the electric cable. Electric supply cable for submersible and surface pumps.

For all above products we supply executions suitable for waters for human consumption following EU Directive 98/83/CE.

## Controls for Booster Sets and Pumps



**V-DRIVE**



Variable speed inverters

**T-DRIVE**



**VALCONTROL-1**

Pumpcontroller with water reserve



**VALCOTANKCONTROL**



**VALCONTROL-2**

with temperature sensor

Pumpcontroller for constant pressure: it eliminates cycling

**VALCONTROL**

# FITTINGS

## Float switches and Level regulators



**new!**

vertical multiple function level regulators for narrow spaces, for dirty waters and special fluids, for tanks and cisterns, for minimum and wide variations of levels also for deep wells

**MSL**



mercury-free to RoHS directive wastewater

**PCMF**



free suspension wastewater

**VMS20-P2CAL**



**VMS-C**

Drainage

**VMSH-C**



**VMS20**



two-chamber

**VMS20-2H**

## Starters and panels electromechanical and electronic for protection of 1 or more Pumps, Direct, Star-Delta, Soft and Reactance Start, 1phase and 3phase



with overload protection



Inside view

with overload protection



dry running check for borehole pumps



Inside view

for borehole and submersible pumps



Inside view

for boosters and drainage pumps



3phase



for wastewater



reactance start



Inside view  
dry running check (Cosq)



for boosters and drainage

# FITTINGS

## Tanks with replaceable membrane



**SC2**



**C8**



stainless steel

**C24-SS**



steel type with stainless steel flange corrosion-free

**C24-FS**



**SC24**



**V60**



**C100**



**V100**



Membranes

## Tanks with fixed membrane corrosion-free and maintenance-free



2-litre stainless steel water hammer arrester

**F2-SS**



**CM60**



stainless steel water hammer arrester

**ARIES-F016-SS**



Inside view

**VM**



**VM60**

# FITTINGS

 <p><b>FCV2</b> <b>FSG2</b></p> <p>Valco and Square-D Pressure Switches - <b>VPS</b></p>	<p><b>Accessories for boosters</b></p>  <p>3way and 5way Brass Connectors</p> <p><b>3-5W</b></p>	 <p>Pressure Gauges <i>with glycerine</i></p> <p><b>V50D</b> <b>V50B</b> <b>V50DG</b> <b>V50BG</b></p>	 <p>Flexible Hoses steel, stainless steel corrosion-proof</p> <p><b>VFH</b></p>				
<p><b>Valves - Non Return Check, Foot, Ball and Safety Relief Valves</b></p>				<p><b>Plugs and electric cable</b></p>  <p>AC Domestic and Industrial Power Plugs and Electric Cable to world standards</p> <p><b>VPC</b></p>			
 <p>Ecological, multipurpose to maximize suction</p> <p><b>ECO-FVAR-25</b></p>	 <p>Full flow Stainless steel</p> <p><b>CVSS</b></p>	 <p>Full flow heavy duty brass</p> <p><b>CFV</b></p>	 <p>Special non return brass</p> <p><b>CSV</b></p>	 <p>Standard brass</p> <p><b>CNV</b></p>	 <p>Foot Valve brass</p> <p><b>FSV</b></p>	 <p>Full Bore brass and Stainless steel with Air inlet for drinking water</p> <p><b>CVHA</b></p>	 <p>full bore brass and stainless steel</p> <p><b>ECO-BV-BVSS</b></p>
 <p>Ball check valves, no clogging for wastewater up to DN600 (24")</p> <p><b>CBV</b></p>	 <p>Incinerer relief safety and pressure stabilizer</p> <p><b>SGV</b></p>	 <p>Gate valve</p> <p><b>GV</b></p>	 <p>Y" filtre for liquids</p> <p><b>IVY</b></p>	 <p>Safety relief</p> <p><b>VSG</b></p>	<p><b>In-line Cartridge Water Filters</b></p>  <p>In-line cartridge water filters</p> <p><b>VFC</b></p>	<p><b>Single pipe 2" and twin pipe 4" deep well ejector assembly</b></p>  <p>Single Pipe 2" and Twin Pipe 4" Deep Well Ejector Assembly</p>	
<p><b>Quick connections and hoses</b></p>  <p>Innovative quick hose connection</p> <p><b>V-QUICKJOINT</b></p> <p>Hose with steel wire reinforcement</p> <p><b>V-SPIRAL</b></p>	<p><b>Pipes and Fittings for Borehole Wells</b></p>  <p>Pipes and Fittings for Borehole Wells</p> <p><b>V-CASINGS</b></p>	<p><b>Cable joining kit</b></p>  <p>Heat Shrink Cable Connection Kit to join the electric cable</p> <p><b>V-300JOINT</b></p>					

# 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.



## 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.

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

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

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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.*

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**VALCO**®  
water is the future®

**VALCO** srl

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**VALCO**® International trademark.

Useful and valuable products for progress, prosperity and peace®

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