

Manufacturing of:

Special foot, non return and ball valves made of acetal resin, polypropylene, brass, bronze, cast iron and stainless steel: available sizes from 1/2" to 4".

Electric Motors (Compact AC Power) in Standard or Custom Designs.

Electric Pumps: Borehole Submersible, Drainage and Sewage, Surface Centrifugal Close Coupled.

Controls and Fittings for Pumps and Pumping Installations.

Exclusive High-Tech Pumps for Water and other Fluids, Valves and Motors, Made in Italy by VALCO since 1976 worldwide

HEAD OFFICE, WORK, VALVES, MOTOR & PUMP TEST LABORATORY, VALVES, MOTOR & PUMP RESEARCH CENTRE, PUMPS & WATER HANDLING UNIVERSITY.

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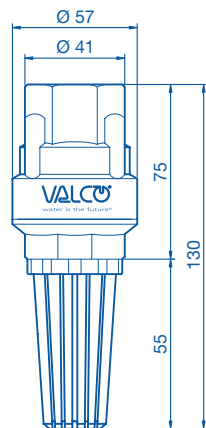


Manufacturer of Useful and Valuable Products for Progress, Prosperity and Peace®.

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1" - Valco FOOT VALVE - Ecological Universal Use Unique Higher Performance made of Acetal Resin.

Multiple applications versatile robust High-Tech Valve that guarantees optimum efficiency with trouble-free operation: inexpensive way to prime a centrifugal pump, ensuring minimum head/suction loss !



TECHNICAL DATA:

- Spring Loaded
- Maximum working Temperature: 85°C
- Maximum working Pressure (PN): 10 bar at 20 °C
- Valve body made of acetal resin with glass-fibres reinforcement; shutter made of acetal resin from 1/2" to 1" and made of polyamidic resin for sizes from 1.1/4" to 2"; with removable polypropylene filter (screen) for sizes from 1.1/4" to 1" and with built-in non removable acetal resin filter for sizes from 1.1/4" to 2"
- System fitting: Female gas threaded fitting compliant with the UNI-ISO 228/1 standard.
- Acetal Resin Polymer POM thermoplastics offer superior mechanical properties, broad temperature range, excellent thermal stability, long-term creep resistance, long-term fatigue resistance and excellent resistance to moisture, chemicals, solvents and fuels, weight-saving metal replacement.

MAIN FEATURES and ADVANTAGES:

- Spring Loaded: it seals better (best for potable water pumps)
- Maximum compatibility with a large number of different liquids
- Removing pollution
- Minimum noise level
- Reducing to the minimum friction loss, thus maximizing the manometric head
- Reduced water hammer
- Block of stray electrical currents
- High superficial hardness and good rigidity and resistance to impact
- Resistance to hydrolysis
- Long resistance to ageing, it lasts longer
- Safe working without any risk of block caused from lime/scale deposit
- Large thermal span (from -40 °C to +85 °C)
- Higher resistance to corrosion
- Lead free materials
- Safe working also after the installation has been inoperative
- Innovative materials
- Versatile, long life, economical.

APPLICATIONS:

- Agriculture
- Irrigation
- Gardening
- Industry
- Food and Beverage Industry
- Navigation
- Boats and Yachts
- Caravans.

Here a list of some of most common applications: Drinking and Irrigation water, Ponds, Fountains, Sump and Sewage Pumps, Surface pumps for water supply and for irrigation plants, Submersible pumps for draining and emptying, Shower boxes, Whirlpool baths, Pumps for use in the wine industry, Pumps for industrial applications for pumping liquids in the food industry, Pumps and equipment for food and beverage products, Pumps and equipment for boat industry, High pressure washing pumps, Campers, Caravans, Yachts, Professional machines for coffee, Ice-cream, Ice production, Cooling systems, Professional machines for industrial cleaning: washing machines, dish-washers, floor cleaners-driers etc. and Professional machines for various uses **and they are suitable also** for satisfactory handling with maximum temperatures ranges of 20 °C of the following **special fluids and chemical compounds**, (with very good chemical inertia, it can only be attacked by strong acids and bases):

- | | | |
|------------------------|----------------------------|--------------------------|
| • acetic acid | • citric acid | • acetic acid |
| • acetone | • crude oil | • methyl alcohol |
| • ammonia | • diesel oil | • mineral oil |
| • benzol | • distilled water | • phosphoric acid |
| • butanol | • ethanol | • potassium hydroxide |
| • butyl acetate | • ether | • potassium permanganate |
| • butyric acid | • formic acid | • sodium bicarbonate |
| • calcium chloride | • gasoline normal car fuel | • sodium carbonate |
| • carbon sulphide | • glicol | • sodium nitrate |
| • carbon tetrachloride | • hydrogen peroxide | • transformer oil |
| • caustic soda | • isopropyl alcohol | • xilene. |

It is also suitable for other fluids and chemical compounds with different temperatures ranges: please contact us with fluid/chemical compound specifications.

AVAILABLE FOOT VALVES and CHECK NON RETURN VALVES IN THE FOLLOWING SIZES: 1/2" - 3/4" - 1" - 1.1/4" - 1.1/2" - 2"

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