

Ballomax® Ballvalves for district heating



The Pegler Ballomax® range of steel ball valves is designed to be used in district heating systems and industrial applications to convey water, air, oil or other fluids. With options in the range to suit all aspects of a district heating system from energy generation through distribution and finally consumption.

Introducing Pegler Ballomax®

Pegler Ballomax all-welded steel ball valves are designed as shut-off valves to convey water, air, oil or other fluids. They are primarily used in heating systems, district heating and industrial applications. Available with female threaded, welded and flanged connections, the range is available in sizes from 1/2" to 20". Pegler Ballomax valves can be buried directly underground and resist all stresses from the pipe system.

The integral quarter turn ball within the Pegler Ballomax is self-centering, and the seat seals are spring-loaded to provide the necessary contact pressure between ball and seat.

Installation

All Pegler Ballomax steel ball valves with welding ends can be electro- or autogenously welded. Excessive heating of the valve casing is to be avoided. The welding ends should not be shortened, since these have been tailored

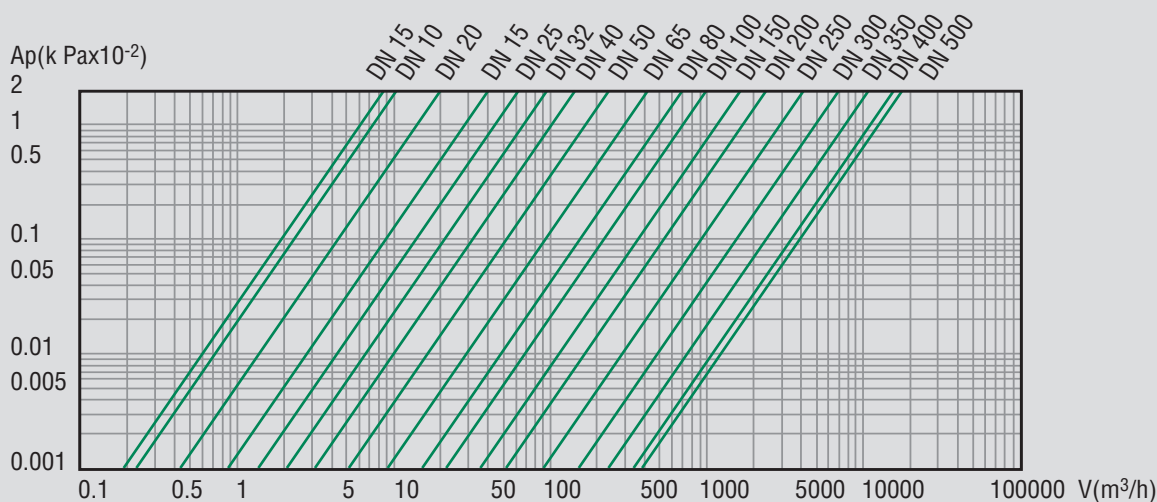
to the individual welding processes to ensure that the transmission of heat has no effect on the sealing material. The ball valves must be fully open during installation. Once installed, Pegler Ballomax valves are maintenance free.

Flow rates

The flow rates of Pegler Ballomax valves are shown in Chart below.



Flow rate chart for Pegler Ballomax valves



Energy Generation

BALLOMAX® isolation ball valves are the ideal choice for valves situated in energy generation plants where there is a need to distribute low and medium temperature hot water in combined heat and power district heating schemes. With compact dimensions for the size of valve, BALLOMAX® valves can accommodate small, confined spaces for installation minimising space provision.

- DN15- DN500 valves weld rated PN25 and flanged PN16 rated as standard.
- Unique retained ball seals throughout the range to ensure positive sealing and long term service
- Maintenance free design and operation
- Lever, (installed or mobile) extended, electric and gear operation options available
- Small volumetric foot print and weight to the size of valve
- Proven, tested design and function throughout a host of international installations



Energy Distribution

When it comes to distribution valve requirements the BALLOMAX® range has a complete suite of valves for purpose. Single pipe and double pipe, pre-insulated branching valves form the core of the range. Complemented by valve boxes and a full range of weld-in branch valve isolations means that a district heating or cooling scheme can be supplied from one quality source.

- DN40-DN300 Single and double service valves as standard manufacturing program (Below DN40 and DN350+ please enquire)
- Can be supplied bare or pre insulated as an option
- Valves can be mounted within chamber boxes saving installation time on site
- Full range of accessories available (mobile gear levers, valve boxes) and pre insulated service valves
- Hot tapping kits (DN25-DN100) with a range of hot tapping valves are available for live break connections in distribution mains
- Customised solutions for specific applications and/or duties



Energy Consumption

Ensuring a leak free, trouble free connection consumer connection is of paramount importance together with a facility to connect new consumers quickly and simply. The comprehensive range of BALLOMAX® suite of dedicated valves and accessories allows this goal to become a reality.

- Main stop housing in either Female x Female or Female x Weld in sizes DN20 – DN25 available. Other sizes and connections please enquire.
- A dedicated hot tapping breaking kit for sizes DN15-DN100 permits quick and easy break in connections to live systems
- DN10-DN500 valves are in weld connections and DN15-DN500 in flanged for pressure ratings PN16, PN25 & PN40
- Due to the construction, stem seals can, if required be changed in live systems.





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