

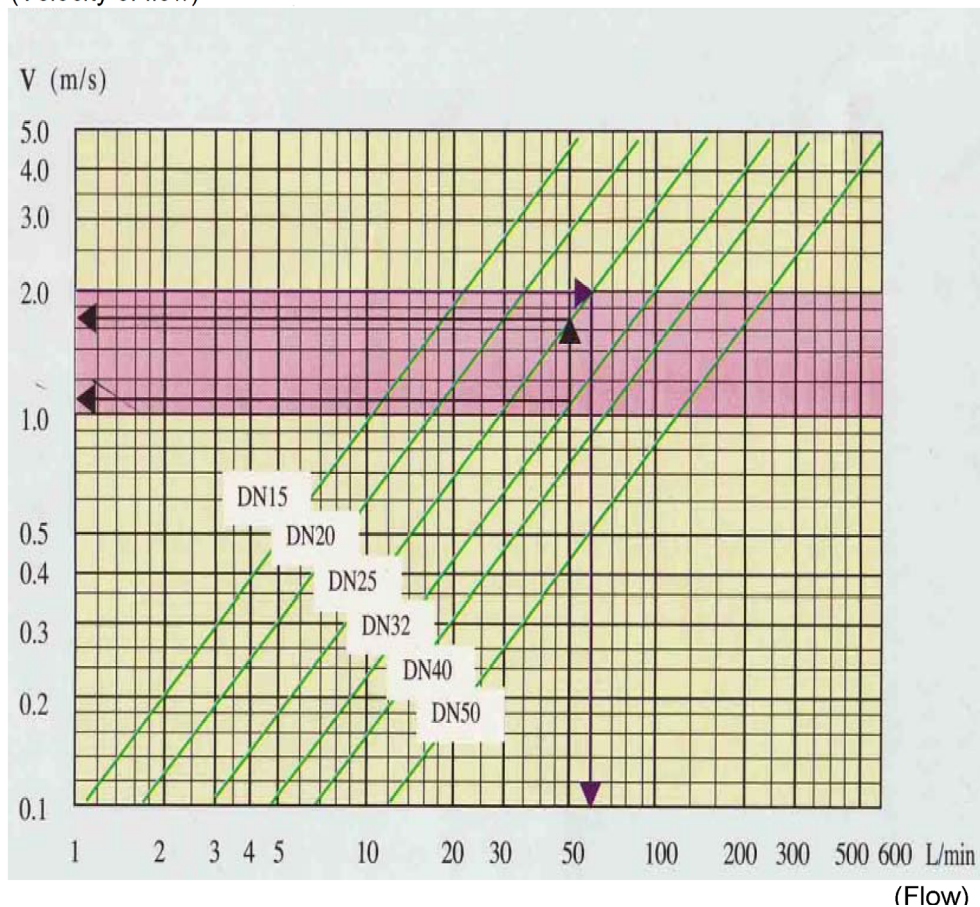


General Supplier

## Brass Pressure Reducing Valve—PN16 - MV80 - 116

### Installation & Maintenance Instructions

(Velocity of flow)



#### Selection:

- 1) According to the piping design or installation requirements, select brass pressure reducing valve(loose joint) (MV80-116).
- 2) On the basis of flow design requirements and the flow rate table, to choose the corresponding specifications of the pressure reducing valve. In order to ensure the water flow smoothly with stagnation condition in the pipeline to reduce the water loss and the noise generated during the pipeline operation. The flow speed is generally controlled in the range of 1-2 m / sec (icon red region) within.

#### A) Mode 1:

Customers require a per minute flow valve 50 liters: chart abscissa flow is found to 50L/min straight lines (black lines) and upwardly along the line in the red region intersects the characteristic curve (green lines) with the DN25 and DN32, respectively, drawn to 1.75 m / s and 1.08 m / sec velocity. If the customer does not have to expand amount of water to choose DN25 reducing valve as well; On the contrary to choose DN32 reducing valve.



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#### B) Mode 2:

Customers need to determine the maximum flow of pressure reducing valve DN25 in the reasonable range of flow rates: to find the icon ordinate a flow rate of 2 m / s horizontal line (blue line), DN25 pressure reducing valve characteristic curves intersect, draw 58L/min the maximum flow rate.

#### Installation:

- 1) In accordance with the direction of the arrow shown in the water body, to connect the pressure reducing valve to both ends of the pipe, and the pressure gauge and valve sealing connection. For the convenience of use for some time cleaning the spool and filters, it is recommended to install a valve before the inlet of pressure reducing valve.
- 2) Open the upper tap lid of pressure reducing valve , according to the outlet pressure requirements, adjustment screw with a wrench. Loosen up, lower outlet pressure; tighten down, outlet pressure increased.
- 3) Finish the adjustment, screw on the cover.

#### Maintenance and cleaning:

Periodic cleaning or replacement of the valve spool and spare basket, steps are as follows:

- 1) Close the inlet valve, open the tap lid, loosen the adjustment screw completely , open the valve bonnet (Figure 2)
- 2) Use a screwdriver or pliers, take out the spool and spare basket,after washing or replacement,install them back to body in correct sequence and then adjust (Figure 3).

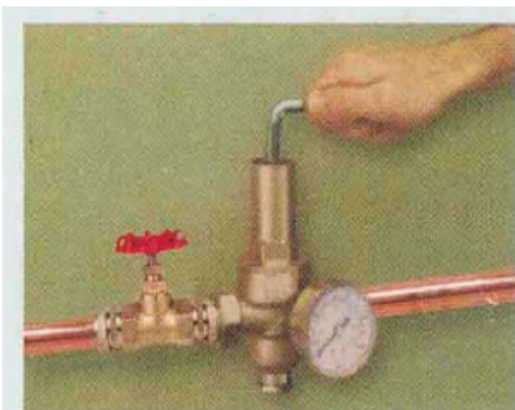


Figure 2

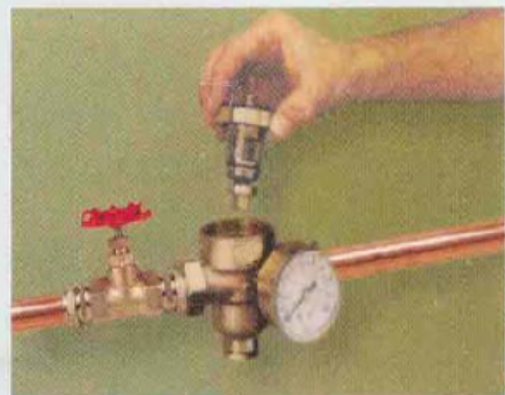


Figure 3



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## Brass Pressure Reducing Valve—PN16 - **MV80 - 116**

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Velocity of flow

