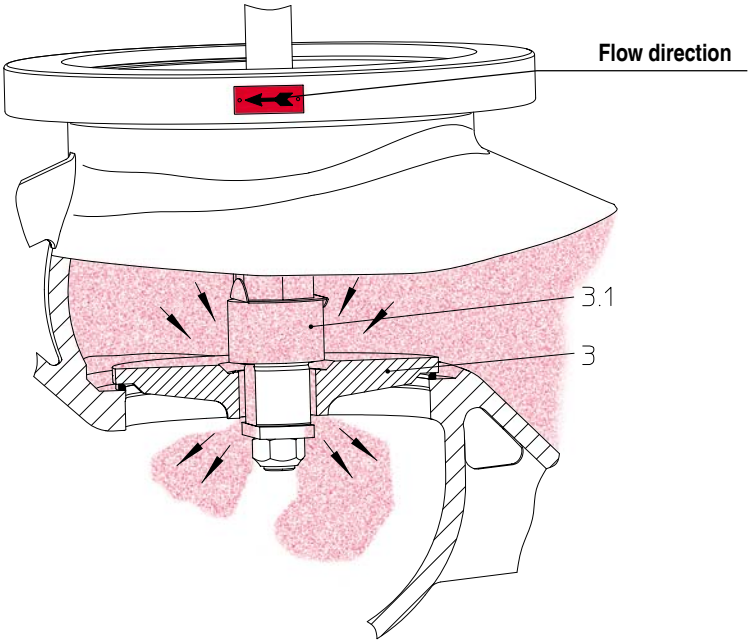

Valves with **balancing plugs** have to be installed with medium flowing over the plug (3) as indicated by flow direction arrow on valve body.

Working principles:

When the valve is closed, anticlockwise rotation of the hand wheel lifts the pilot plug (3.1) off the larger balancing plug (3). This allows the medium to pass through the plug and equalizes the pressure of the medium under the plug (3). After the pressures have been equalized within the values stated in the table, the valve can be opened by turning the valve further with normal manual force.

Balancing plugs are fully effective only in closed systems.

The pressure of the medium on either side of the plug cannot be equalized in plants served by pumps operating on their characteristic.

The pressures of the medium on either side of the plug cannot be equalized if the medium is discharged into “open air”.

A bypass line or some other arrangement is necessary if too much time is required for pressure equalization owing to the volume in the piping system.

ARI-stop valves with differential pressures exceeding the following pressures, have to be fitted with pressure balancing plugs.

Balancing plug	**Size**	**6“**	**8“**	**10“**
Differential pressure	**Δ p (psi)**	305	203	131

Please indicate when ordering

1. Figure-No.
2. Nominal pressure
3. Size
4. Special design / accessories

Example:

Figure 34.031; nominal pressure ANSI 150; size 4“; body material cast steel; with throttling plug.

Dimensions in inch (in)
Weights in pound (lb)
Cv in gal/min
1 bar ≙ 14,5 PSI
1 in ≙ 25,4 mm