

# HIGH RANGEABILITY CONTROL VALVES



## FEATURES

- Multi-seat construction
- High rangeability/turn-down-ratio, above 500 (*Normal Valves-50*)
- Pressure balanced plug construction
- Low operating force requirement

## TYPE SUMMARY

| Type   | Dia mm | K <sub>vS</sub> m <sup>3</sup> /h |
|--------|--------|-----------------------------------|
| _F 25  | 25     | 10                                |
| _F 32  | 32     | 16                                |
| _F 40  | 40     | 20                                |
| _F 50  | 50     | 30                                |
| _F 65  | 65     | 50                                |
| _F 80  | 80     | 75                                |
| _F 100 | 100    | 120                               |
| _F 125 | 125    | 190                               |
| _F 150 | 150    | 270                               |
| _F 200 | 200    | 480                               |
| _F 250 | 250    | 710                               |

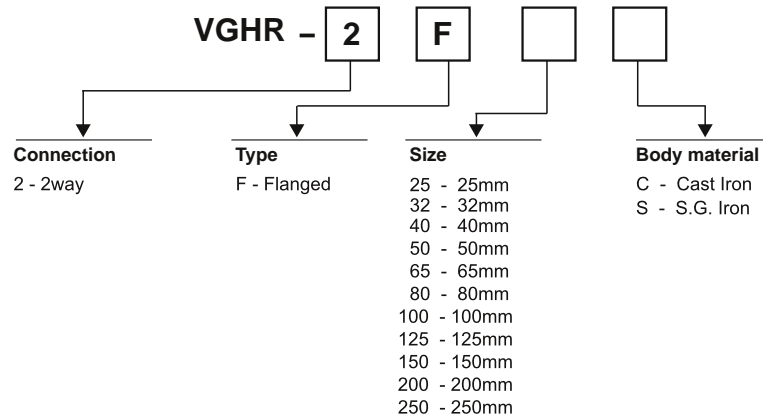
## BENEFITS

- Can be used against high differential pressure, closer to pump and still control the flow accurately down to 0.2% of full flow
- Prevents energy wastage
- Very low leakage
- High  $\Delta T$  ensures high chiller efficiency
- Assists automatic balancing of system
- Eliminates need of balancing valve

## TECHNICAL DATA

|                            |   |                               |
|----------------------------|---|-------------------------------|
| Model                      | : | VGHR                          |
| Material                   |   |                               |
| Body                       | : | Cast Iron/S.G. Iron           |
| Stem                       | : | SS                            |
| 'O' ring/seal              | : | EPDM/Nitrile                  |
| Plug                       | : | Brass/SS 304                  |
| Rangeability               | : | >500                          |
| Pressure rating            | : | PN16                          |
| Media                      | : | Hot, Cold, glycol-mixed water |
| Fluid Temperature          | : | (-)10° - 80°C                 |
| Max. Differential pressure | : | 6 Bar                         |

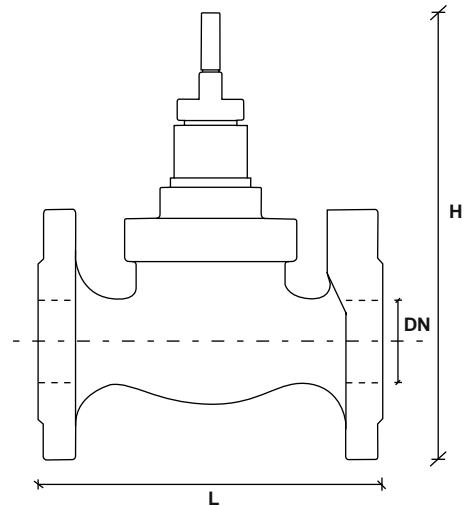
## MODEL DESIGNATION



## DIMENSIONS

**With flanged connections:**

| DN  | L   | H   |
|-----|-----|-----|
| 25  | 150 | 205 |
| 32  | 181 | 227 |
| 40  | 181 | 227 |
| 50  | 226 | 252 |
| 65  | 240 | 259 |
| 80  | 260 | 302 |
| 100 | 288 | 304 |
| 125 | 400 | 350 |
| 150 | 450 | 420 |
| 200 | 550 | 510 |
| 250 | 700 | 560 |



NOTE :

- All Dimensions are in mm
- Flange dimensions to IS 6418-1971