

# 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

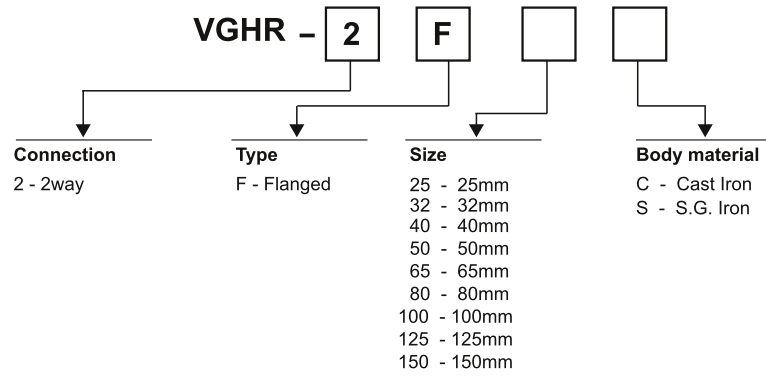
## BENEFITS

- 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
Rangeability	:	>500
Pressure rating	:	PN16
Media	:	Hot, Cold, glycol-mixed water
Fluid Temperature	:	(-)10° - 80°C
Max. Differential pressure	:	6 Bar

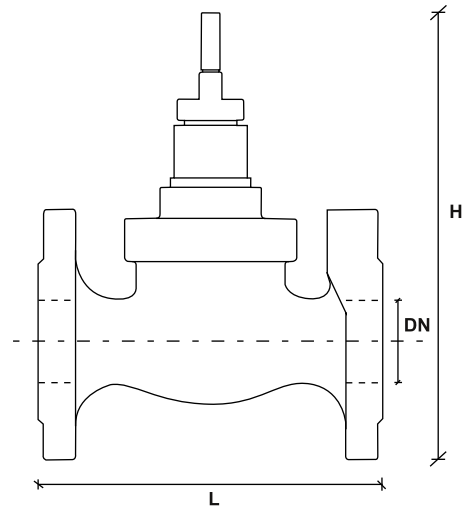
## MODEL DESIGNATION



## 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



### NOTE :

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