

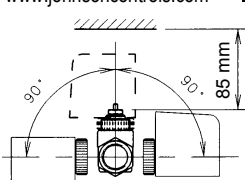


# techsystem

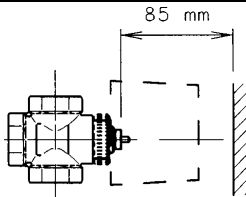
automatyka klimatyzacja wentylacja

▸ zapoznaj się z naszą ofertą

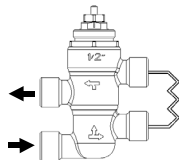
# VG4000 / VG5000 / VB-5071



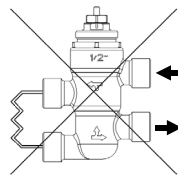
HORIZONTAL MOUNTING



VERTICAL MOUNTING



OK



NO

These valves are primarily designed to regulate the flow of water in response to the demand of a controller in zone and terminal unit applications.

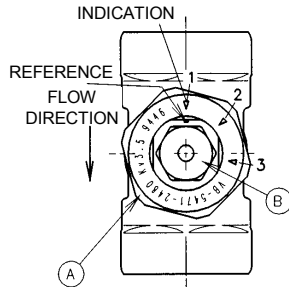
## Mounting

1. The flow must respect the direction of the arrow reported on the valve body.
2. For 3-way with built-in by-pass valves, see also sketch aside.

## Instruction for $KV_s$ adjustment

**IMPORTANT:** On VG5000 and VB-5071 models it is possible to adjust the valve  $KV_s$ . Please refer to the product bulletin "VG5000 Forged Brass Valves" for the list of field adjustable models and  $KV_s$  values.

1. Unscrew locknut A using suitable wrench.
2. Rotate trim Valve with wrench size 17 mm in the desired position required for the desired  $KV_s$  (see pertinent product bulletin).
3. Tighten locknut "A" up to indication 1 on the center-line.



## Maintenance and service

VG4000-1	Packing Nut with integral o-ring
VG5000-1	

## Specifications

Models	VG4000	VG5000 / VB-5071
Body Rating	PN16	
Max working pressure	20 Mpa - 30 PSI	
Service	Water, glycol solutions (max 30%) for HVAC applications. Fluid Group 1 according 67/548/EEC. (proper water treatment is recommended, refer to VDI 2035)	
Inherent flow characteristics	Quick opening	
Fluid temperature	2 to 95°C / 35 to 203°F	
Ambient operating conditions	2 to 50°C / 35 to 122°F	
Max pressure drop	All sizes 200 kPa / 30 PSI	DN15 ½" = 200 kPa / 30 PSI DN20 ¾" = 100 kPa / 15 PSI DN25 1" = 62 kPa / 9 PSI
Close-off pressure	2-way valves and PDT0 port on 3-way valves 340 kPa / 50 PSI  PDT0 port on 3-way valves 170 kPa / 25 PSI	Please refer to the product bulletin "VG5000 Forged Brass Valves"
Compliance	PED (Pressure Equipment Directive) 23/97/CE (Paragraph 3, comma 3) CE marking is not applicable.	