

# Globe Valves

## VG311F 65-150C

The VG311F..C is a large flanged general purpose valve

The valve is suitable for a wide range of mixing applications with hot or chilled water in heating cooling and air handling systems.

If the valve is used for media at temperatures below 0°C, it should be equipped with a stem heater in order to prevent ice formation on the valve stem.



### Specification

Design	3-way plug mixing valve stem up closed (A port/B-AB open)	
Pressure class	PN 16	
Connection	Flange according ISO 7005-2	
Rangeability (Kvs/Kv min.)	> 50	
Flow characteristics A – AB	Equal Percentage	
Flow characteristics B – AB	Linear	
Stroke	DN65 25 mm DN80-150 45mm	
Leakage A – AB	< 0.03% of Kvs	
Leakage B – AB	< 2% of Kvs	
ΔPm	200 kPa, water	
Max. temperature of medium	150°C	
Min. temperature of medium	-10°C	
Max. Glycol concentration	50%	

### Materials

Body	Grey Cast iron (GJL 250)
Stem	Stainless steel (AISI 303)
Plug (DN65-100)	Brass (CW614)
Plug (DN125-150)	Bronze (CB491K UNI EN 1982)
Seat	Grey Cast iron (EN JL 1040)
Stem Packing	EPDM

VG311F..C					Max Close-off Pressure kPa					
					Non Spring Return Actuators				Spring Return	
Part number	Type Designation	DN	Kvs	Rangeability	M800	M1500	MV15B	M3000	M700	MG900 SR
					800N	1500N	1500N	3000N	700N	900N
VG311F-65C	VG311F-65C 63M SU00	65	63	>50	240	400	400	850	220	290
VG311F-80C	VG311F-80C 100M SU00	80	100	>50	160	240	240	570	140	--
VG311F-100C	VG311F-100C- 130M SU00	100	130	>50	100	150	150	370	80	--
VG311F-125C	VG311F-125C 200M SU00	125	200	>50	60	90	90	230	50	--
VG311F-150C	VG311F-150C 300M SU00	150	300	>50	40	50	50	160	35	--

Replacement packing box: 1-001-0810-0