

V321

The V321 is a large flanged valve with a stainless steel seat for high pressure drops.

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 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
Flow characteristics A – AB	Equal Percentage
Flow characteristics B – AB	Linear
Stroke	DN 65-100 30 mm DN 125-150 40 mm
Leakage A – AB DN65 – DN100	<0.05% of Kv
Leakage B – AB DN65 – DN100	<0.05% of Kv
Max. temperature of medium	130°C
Min. temperature of medium	-10°C
Max. Glycol concentration	50%



Materials

Body	Grey Cast iron GG25
Stem	
DN 65-100	Stainless steel SS 1.4571
DN 125-150	Stainless steel SS 1.4021
Plug	Stainless steel SS 1.4021
Seat	Stainless Steel SS 1.4021
Stem Packing	EPDM

V321					Max Close-off Pressure kPa						
					Non Spring Return Actuators						Spring Return
Part number	DN	Kvs	ΔPm	Rangeability	M800	M1500	MV15B	M3000	M22	M50	M700
					800N	1500N	1500N	3000N	2200N	5000N	700N
731 2153 010	65	63	100	>30	140	290	290	700	---	---	80
731 2157 010	80	100	80	>30	80	180	180	440	---	---	40
731 2161 010	100	160	60	>30	40	110	110	280	---	---	---
731 2165 010	125	220	60	>30	---	---	---	---	90	340	---
731 2169 010	150	320	60	>30	---	---	---	---	60	240	---

Replacement packing box: DN65-100: 1-001-0822-0

DN125-150: 1-001-0823-0

Conversion kit - V321 with old M16 actuator to Forta connection: 880-0130-000

Stem Heater: DN65-100: 880 0110 000

DN125-150: 880 0111 000

Replacement Stem adaptors: DN65-100: 880-0133-000

DN125-150: 1-001-0824-0

Blanking flange set, to convert a V321 into a 2 way valve, e.g. when upgrading installations with VSD pumps:

DN65: 913-0065-000, DN80: 913-0080-000, DN100: 913-0100-000, DN125: 913-0125-000, DN150: 913-0150-000