

Globe Valves

V341

The V341 is a high quality general purpose valve. Polished stainless seats provide high differential pressure capability and low leakage.

The valve is suitable for a wide range of applications such as heating, cooling, air handling and domestic hot water systems. The valve can handle hot and cold water with phosphate, hydrazine and antifreeze additives.

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 valve Stem up closed, A port (B-AB open)
Pressure class	PN 16
Flow characteristics A-AB	Equal percentage modified
Flow characteristics B-AB	Complementary
Stroke	20 mm
Rangeability (Kvs/Kv min.)	See table
Leakage A-AB	up to 0.02% of Kvs
Leakage B-AB	up to 0.05% of Kvs
ΔP_m	600 kPa, water
Max. temperature of medium	150°C
Min. temperature of medium	-20°C
Connection	External pipe thread according to ISO 228/1
Glycol Concentration	50%

Materials

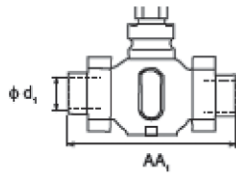
Body	Bronze Rg5
Plug and seat	Stainless steel SS 2346
Stem	Stainless steel SS 2346
Stem packing	EPDM

V341					Max Close-off Pressure (kPa)						
					Non Spring Return Actuators					Spring Return	
Part number	DN	Connection	Kvs	Rangeability	M310	M400	M800	M1500	MV15B	M700	MG900 SR
					300N	400N	800N	1500N	1500N	700N	900N
731 4121 000	15	G1B	1.6	>50	800	800	1600	1600	1600	1400	1600
731 4125 000	15	G1B	2.5	>50	800	800	1600	1600	1600	1400	1600
731 4129 000	15	G1B	4.0	>50	800	800	1600	1600	1600	1400	1600
731 4133 000	20	G1½B	6.3	>100	650	650	1500	1600	1600	1100	1510
731 4137 000	25	G1½B	10	>100	400	500	1150	1600	1600	850	1160
731 4141 000	32	G2B	16	>100	300	350	850	1350	1350	650	855
731 4145 000	40	G2½B	25	>100	150	250	600	950	950	450	605
731 4149 000	50	G2¾B	38	>100	50	150	400	650	650	300	415

Replacement packing box: 1-001-0800-0

Connections V341

Internal Thread Connection



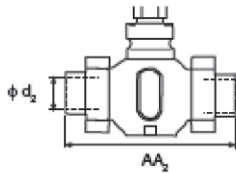
Materials

Union nut: malleable iron casting, galv.
 Union end: malleable iron casting, galv.
 Packing, standard:
 Fibre Gasket (Klingsil C4400)

or

Packing, spec:
 PTFE Gasket (Kingsil Top Chem 1,5mm)

Soldering Type Connection



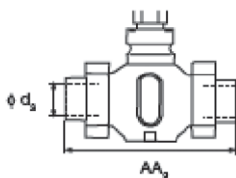
Materials

Union nut: malleable iron casting, galv.
 Union end: Bronze, SS 5204
 Packing, standard:
 Fibre Gasket (Klingsil C4400)

or

Packing, spec:
 PTFE Gasket (Kingsil Top Chem 1,5mm)

Welded Type Connection



Materials

Union nut:
 Packing, standard:
 Malleable iron casting, galv.

or

Packing, Spec: Brass
 Union end: malleable iron casting, galv.
 Packing, standard:
 Fibre Gasket (Klingsil C4400)

or

Packing, spec:
 PTFE Gasket (Kingsil Top Chem 1,5mm)

Valve		Φd_1	AA_1	Part no. for connection, one pkg/port	
DN	End Conn.	Int. thread (ISO 7/1)	mm	Packing, std	Packing, spec.*
15	G1B	RP 1/2"	146	911 2100 015	911 2103 015
20	G1 1/4B	RP 3/4"	146	911 2100 020	911 2103 020
25	G1 1/2B	RP 1"	159	911 2100 025	911 2103 025
32	G2B	RP 1 1/4"	169	911 2100 032	911 2103 032
40	G2 1/4B	RP 1 1/2"	197	911 2100 040	911 2103 040
50	G2 3/4B	RP 2"	222	911 2100 050	911 2103 050

* The accessory intended for the primary circuit of district heating connections.

Valve		Φd_2	AA_2	Part no. for connection, one pkg/port	
DN	End Conn.	mm	mm	Packing, std	Packing, spec.*
15	G1B	15	136	911 2101 015	911 2104 015
20	G1 1/4B	22	146	911 2101 020	911 2104 020
25	G1 1/2B	28	155	911 2101 025	911 2104 025
32	G2B	35	163	911 2101 032	911 2104 032
40	G2 1/4B	42	200	911 2101 040	911 2104 040
50	G2 3/4B	54	232	911 2101 050	911 2104 050

* The accessory combination intended for the primary circuit of district heating connections.

Valve		Φd_3	AA_3	Part no. for connection, one pkg/port	
DN	End Conn.	mm	mm	Packing, std	Packing, spec.*
15	G1B	21.8	182	911 2102 015	911 2105 015 (1)
20	G1 1/4B	26.9	182	911 2102 020	911 2105 020 (1)
25	G1 1/2B	33.7	187	911 2102 025	911 2105 025 (1)
32	G2B	42.4	197	911 2102 032	911 2105 032 (1)
40	G2 1/4B	48.3	232	911 2102 040	911 2105 040
50	G2 3/4B	60.3	262	911 2102 050	911 2105 050

(1) Material Union nut: brass SS 5252

* The accessory Combination intended for the primary circuit of district heating connections.

3 sets of connections required for 3 way valves