3-WAY BALL VALVE WITH ISO-FLANGE

TYPE DVC1612: T-PORT
TYPE DVC1712: L-PORT

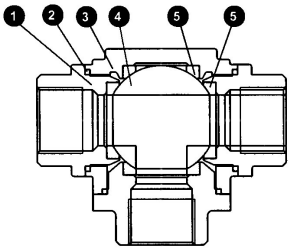
armatec

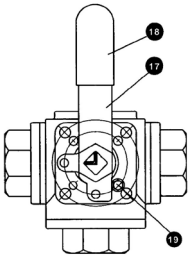
GENERAL

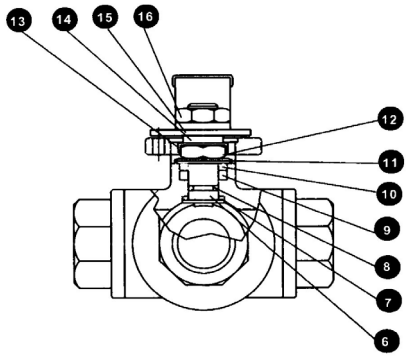
DIMENSION:	1/4" TO 3/8" - FULL BORE (FB)
	1/2" TO 2" - REDUCED BORE (RB)
PRESSURE:	1/4" TIL 3/8": 69 BAR
	1/2" TIL 2": 55 BAR
MATERIAL:	STAINLESS STEEL
MOUNTING FLANGE:	ISO 5211
CONNECTION:	BSPP

OPTION

DIMENSION:	1/2" TO 2" - FULL BORE
MATERIAL:	STEEL
SEAT/PACKAGE:	SEVERAL MATERIALS
CONNECTION:	SEVERAL STANDARDS







POS	DESCRIPTION	MATERIAL
1	CONNECTION	STAINLESS STEEL CF8M
2	PACKING	PTFE
3	BODY	STAINLESS STEEL CF8M
4	BALL	STAINLESS STEEL CF8M
5	SEAT	RTFE
6	STEM	STAINLESS STEEL AISI 316
7	PYRAMID SEGMANT	RTFE
8	O-RING	FPM
9	STEM SEAL	PTFE
10	BUSHING	STAINLESS STEEL AISI 304
11	BELLEVILLE WASHER	STAINLESS STEEL AISI 304
12	STEM NUT	STAINLESS STEEL AISI 304
13	LOCK SADDLE	STAINLESS STEEL AISI 304
14	WASHER	STAINLESS STEEL AISI 304
15	LOCKING DEVICE	STAINLESS STEEL AISI 304
16	NUT	STAINLESS STEEL AISI 304
17	HANDLE	STAINLESS STEEL AISI 304
18	HANDLE SLEEVE	VINYL
19	STOP	STAINLESS STEEL AISI 304

DESCRIPTION

- **Maintenance-free stuffing box** with spring washers, V-rings and O-ring provides optimal sealing - even under varying temperatures.
- **Direct mounting of actuator** without using coupling and bracket. ISO 5211 mounting flange and square stem makes it quick and easy to mount an actuator. The compact unit allows fewer transitions = less slack.
- **Wax cast ball valve.** Wax casting gives a very clean surface structure.
- **Blowout-proof stem,** guarantees that the stem cannot be ejected from the valve body.
- **4 pcs. seat rings** settle the ball on all sides. This allows access to all ports without the occurrence of bypass (leak) behind the ball.
- **There is traceability on all ball valves.** Available with EN10204/3.1 certificate.

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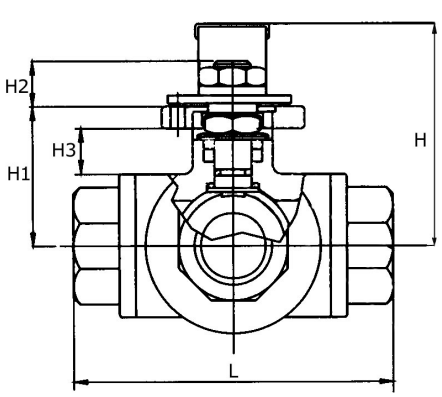
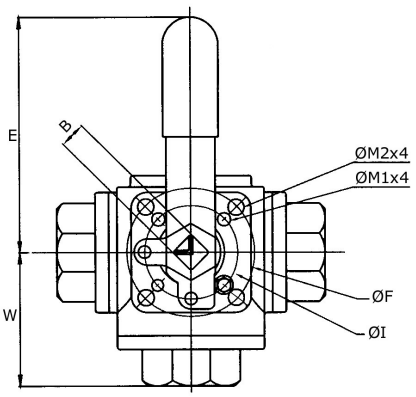
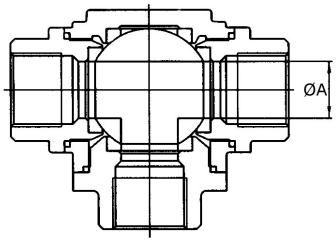
DIMENSIONS

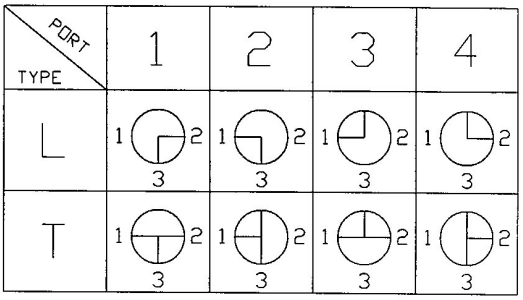




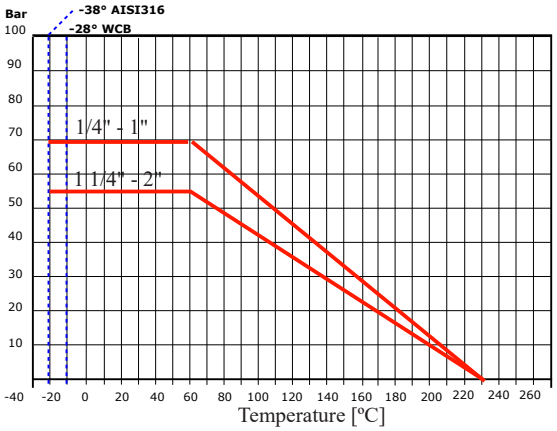


DIM.		VALVE WITH HANDLE							ISO TOP FLANGE						STEM	
FULL BORE	REDUCE BORE	øA [mm]	E [mm]	H [mm]	H1 [mm]	H3 [mm]	L [mm]	W [mm]	ISO 5211	ØI [mm]	ØM1 [mm]	ISO 5211	ØF [mm]	ØM2 [mm]	B [mm]	H2 [mm]
1/4″	-	11	130	62	38.5	11.8	72	36.0	F03	36	6.0	F04	42	6.0	9	11
3/8″	1/2″	12	130	62	38.5	11.8	72	36.0	F03	36	6.0	F04	42	6.0	9	11
1/2″	3/4″	15	130	64	41.0	13.4	83	41.5	F03	36	6.0	F04	42	6.0	9	11
3/4″	1″	20	165	82	49.0	14.8	99	49.5	F04	42	6.0	F05	50	7.1	11	14
1″	1 1/4″	25	165	89	55.0	15.0	112	56.0	F04	42	6.0	F05	50	7.1	11	14
1 1/4″	1 1/2″	32	205	98	63.0	16.2	125	62.5	F05	50	7.1	F07	70	9.2	14	18
1 1/2″	2″	38	205	108	74.0	16.5	149	74.5	F05	50	7.1	F07	70	9.2	14	18
2″	-	50	325	140	93.0	24.2	174	87.0	F07	70	9.2	F10	102	11.4	17	22

FLOW DIAGRAMS



PRESSURE/TEMPERATUREGRAPH



VALVE DATA

DIMENSION	[1]TORQUE [NM]		KV-VALUES [M³/H]			WEIGHT
[INCH]	BREAKAWAY TORQUE AT 0 BAR.	BREAKAWAY TORQUE AT 55 BAR.	3-WAY/L-PORT	3-WAY/T-PORT (THROUGH)	3-WAY/T-PORT (BRANCH)	[KG]
1/4″ - FB	9.6	14.4	6	7	5	-
3/8″ - FB	9.6	14.4	6	7	5	-
1/2″ - RB	9.6	14.4	6	7	5	0.60
3/4″ - RB	12.0	19.2	9	11	7	0.82
1″ - RB	15.6	25.2	17	22	15	1.39
1 1/4″ - RB	27.6	43.2	26	29	19	2.10
1 1/2″ - RB	50.4	62.4	40	46	35	3.20
2″ - RB	61.2	86.4	60	72	46	5.10

[1]) Torque figure includes 30% of safety factor.
When sizing the actuator add the following: +15% if dry air and demineralized water.
+30% if sludge and abbrasive media.
-15% if lubricating media.