ECON® Ball valve Type: 7642 Stainless steel Butt weld NEN EN10357 serie A Class 600









Type: 7642 Norm: ASME

Construction type: 2-way Housing construction: 3-part Housing material: Stainless steel Material quality: ASTM A351 CF8M

Connection: Butt weld

Standard welding connection: NEN EN10357 serie A

Top flange standard: ISO 5211 Direct Mount

With locking device: Yes Material ball: ASTM A351 CF8M

Seat material: TF 4103

Spindle material: ASTM A276 316 Grade S **Primary spindle seal material: RPTFE** Secondary spindle seal material: FPM (FKM) Tertiary spindle seal material: RPTFE

Body seal: RPTFE

Material connection piece: ASTM A351 CF3M

Actuator material: ASTM A351 CF8

Minimum medium temperature (continuous): -40 °C

Application

- Industrial and maritime applications.
- Liquid and gaseous media.
- Recommended in: Food & Beverages, Pharma

Technical Information

- Connection according to EN 10357 serie A (DIN 11850, row 2).
- Floating ball.
- Pressure class: Class 600 up to and including 2.1/2". Class 300 for 3" and 4".
- With direct-mount top flange according to ISO 5211.
- Closed neck design with leak detection opening.
- All components intended to come into contact with food comply with EC 1935.
- The chevron seal set used as a spindle seal and the axial seal ensure a longer service life and lower
- Equipped with a robust, lockable lever.
- Average temperature for a tap with standard TF 4103 seats: -40°C/+220°C. Up to a maximum of 280°

C for taps with PEEK seats.

Construction

- Three-part housing construction.
- Relevant design standards: EN-ISO 17292, ISO 5211 and API 608.
- Full bore.
- Design with antistatic equipment between ball and

Approval

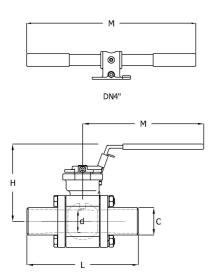
- Fugitive emission certified according to the German Technical Instructions on Air Quality Control (TA-Luft), VDI 2440, point 3.3.1.3.
- Fugitive emission certified according to ISO 15848-1, CO1 Class AH and CO3 Class BH.
- Safety integrity level (SIL) 2.
- Declaration of conformity according to EC 1935/2004.

- Design with worm gearbox, pneumatic, electric or hydraulic drives.
- Position feedback for manual and automatic valves.
- Available with different seat materials such as TF 4215. TFM 1600 and PEEK.
- Fire-safe design available.
- Stainless steel extended spindle for insulation or for cold applications (up to -50°C).
- With connection for earthing.
- Reduced bore.
- With 30°, 60° or 90° V-shaped ball bore for modulating applications.
- Connections with BSPP thread according to ISO 228-1, NPT thread according to ASME B1.20.1, socket weld according to ASME B16.11 or EN 12760, and butt weld according to ASME B16.25 S40 or EN 12627-1 (1/4" - 3/4") and EN 12627-2 (1" - 4") or SMS 3008 (EN 10357 Series D) or DIN 11850 Row 1 (EN 10357 Series B) or ISO 1127-S1.

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Size table:

DN	Full bore	d	L	н	М	С	Weight
		mm	mm	mm	mm	mm	kg
DN10	Yes	15	71	83	140	13	0.9
DN15	Yes	15	72	83	140	19	1
DN20	Yes	20	97	83	140	23	1.5
DN25	Yes	25	109	97	165	29	2
DN32	Yes	31.8	118	103	165	35	3
DN40	Yes	38	129	130	202	41	4.5
DN50	Yes	50	145	139	202	53	6.5
DN65	Yes	65	185	178	257	70	12.5

			F	ressure and ter	mperature rang	е			
Seat material + DN full bore	-40	50	100	150	175	200	250	300	[°C]
TF4103 & TFM1600 DN10 - DN25	99.3	96.2	72	48	25	0	-	-	[bar]
TF4215 DN10 - DN25	99.3	96.2	84.4	65	45	23	0	-	[bar]
PEEK DN10 - DN25	99.3	96.2	84.4	77	58	37	13	0	[bar]
TF4103 & TFM1600 DN32 - DN40	80	80	60	40	20	0	-	-	[bar]
TF4215 DN32 - DN40	80	80	80	61	42	21	0	-	[bar]
PEEK DN32 - DN40	80	80	80	77	57	36	13	0	[bar]
TF4103 & TFM1600 DN50	76	76	56	38	20	0	-	-	[bar]
TF4215 DN50	76	76	76	58	39	20	0	-	[bar]
PEEK DN50	76	76	76	76	56	35	12	0	[bar]
TF4103 & TFM1600 DN65	69	69	52	35	18	0	-	-	[bar]
TF4215 DN65	69	69	69	53	37	19	0	-	[bar]
PEEK DN65	69	69	69	69	50	31	10	0	[bar]

			69	;	50	31	10	U	[bar]
meter of thi	ckness,	Pressure rating		Manual operation	Mounting flange	Mounting flange 2	Bore	Maximum operating pressure	Article
mm	mm							bar	
13	1.5	Class 600	Manufacturer standard	Handle	F03	F04	Full bore	99	14011235
	neter of thi nection con mm 13 t of this docume	neter of thickness, nection connection mm mm 13 1.5 (at of this document has been connection)	neter of thickness, ressure rating mm mm 13 1.5 Class 600 t of this document has been composed with	mm mm 13 1.5 Class 600 Manufacturer standard t of this document has been composed with the utmost care.	neter of nection connection rating norm operation mm mm 13 1.5 Class 600 Manufacturer standard Handle to fitting the fitting norm operation operation.	neter of thickness, restaire rating norm operation flange mm mm 13 1.5 Class 600 Manufacturer standard Handle F03 t of this document has been composed with the utmost care. However, it is possible that certain	meter of thickness, reference norm operation flange flange 2 mm mm 13 1.5 Class 600 Manufacturer standard Handle F03 F04	neter of thickness, connection rating norm operation flange flange 2 Manual Mounting Mount	neter of thickness, ressure race to race Manual Mounting

Ball Valves | Ball valves with welding connection

Nominal inner diameter	External tube diameter of connection mm	Wall thickness, connection mm	Pressure rating	Face to Face norm	Manual operation	Mounting flange	Mounting flange 2	Bore	Maximum operating pressure bar	Article
DN15	19	1.5	Class 600	Manufacturer standard	Handle	F03	F04	Full bore	99	14011236
DN20	23	1.5	Class 600	Manufacturer standard	Handle	F03	F04	Full bore	99	14011237
DN25	29	1.5	Class 600	Manufacturer standard	Handle	F04	F05	Full bore	99	14011238
DN32	35	1.5	Class 600	Manufacturer standard	Handle	F04	F05	Full bore	80	14011239
DN40	41	1.5	Class 600	Manufacturer standard	Handle	F07		Full bore	80	14011240
DN50	53	1.5	Class 600	Manufacturer standard	Handle	F07		Full bore	76	14011241
DN65	70	2	Class 600	Manufacturer standard	Handle	F07	F10	Full bore	69	14011242
כטאוט	70	2	Class 600	standard	Handle	FU/	FIU	Full bore	69	14011242

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