

DATA SHEET

Type TFU002



Check valve for water and air

- Brass or stainless steel housing
- Inner parts stainless steel



Product variants described in the data sheet may differ from the product presentation and description.

Type description

Non-return valve for horizontal or vertical installation.

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1. General technical data

Note:

Other versions on request

1.1. Type TFU002, heavy design

Product properties	
Dimensions	Detailed information can be found in chapter "2. Dimensions" on page 4.
Materials	
Body	Pressed brass CW 617 N
Valve cone	Polyamide (PA)
Spring	Stainless steel
Sealing	NBR
Orifice	DN10...DN40
Medium data	
Medium temperature	-20 °C...max. +100 °C
Performance data	
Nominal pressure	Detailed information can be found in chapter "Brass body, heavy design" on page 5.
Opening pressure ^{1.)}	0.02 bar
Environment and installation	
Installation	Horizontal or vertical

1.) Pressure values: Overpressure with respect to atmospheric pressure

1.2. Type TFU002, light design

Product properties	
Dimensions	Detailed information can be found in chapter "2. Dimensions" on page 4.
Materials	
Body	Pressed brass CW 617 N
Valve cone	Polyamide (PA)
Spring	Stainless steel
Sealing	NBR
Orifice	DN10...DN100
Medium data	
Medium temperature	Max. 100 °C
Performance data	
Nominal pressure	Detailed information can be found in chapter "Brass body, light design" on page 5.
Opening pressure ^{1.)}	0.02 bar
Environment and installation	
Installation	Horizontal or vertical

1.) Pressure values: Overpressure with respect to atmospheric pressure

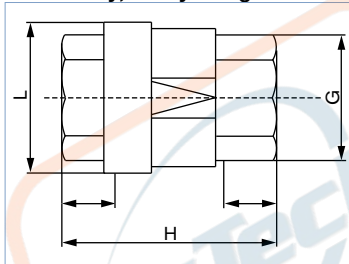
1.3. Type TFU002, angle seat form

Product properties	
Dimensions	Detailed information can be found in chapter "2. Dimensions" on page 4.
Materials	
Body	Stainless steel 1.4408
Sealing	PTFE
Orifice	DN8...DN50
Medium data	
Medium temperature	-20 °C...max. +200 °C
Performance data	
Nominal pressure	Detailed information can be found in chapter "Stainless steel body, angle seat form" on page 5.
Opening pressure ¹⁾	0.8 bar
Environment and installation	
Installation	Horizontal or vertical

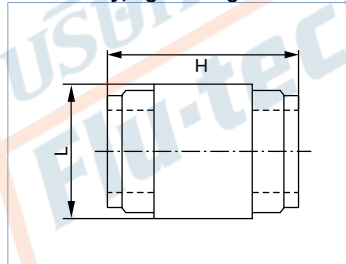
1.) Pressure values: Overpressure with respect to atmospheric pressure

2. Dimensions

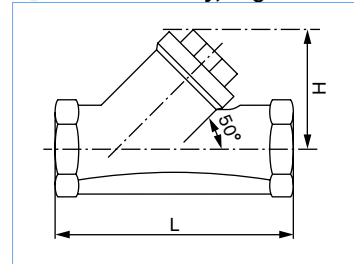
Brass body, heavy design



Brass body, light design



Stainless steel body, angle seat form



3. Ordering information

3.1. Bürkert eShop – Easy ordering and quick delivery



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3.3. Ordering chart

Brass body, heavy design

DN [mm]	Port connection ISO 228/1	H [mm]	L [mm]	Nominal pressure ^{1.)} [bar]	Flow rate K _v	Article no.
10	G 3/8	47.0	27.0	40	3.7	783275
15	G 1/2	59.0	34.5	40	5.8	783276
20	G 3/4	65.0	42.0	40	8.6	783277
25	G 1	75.0	49.0	25	13.8	783278
32	G 1 1/4	83.0	61.0	25	20.2	783279
40	G 1 1/2	89.0	73.0	16	30.9	783280
50	G 2	101.5	88.0	16	48.8	783281

1.) Pressure values: Overpressure with respect to atmospheric pressure

Brass body, light design

DN [mm]	Port connection ISO 228/1	H [mm]	L [mm]	Nominal pressure ^{1.)} [bar]	Flow rate K _v	Article no.
10	G 3/8	55.0	34.0	16	2.8	783285
15	G 1/2	45.0	28.0	40	3.7	783286
20	G 3/4	48.0	35.0	40	5.8	783287
25	G 1	56.0	42.0	25	8.6	783288
32	G 1 1/4	62.0	51.0	25	13.8	783289
40	G 1 1/2	69.0	61.0	16	20.2	783290
50	G 2	77.0	73.0	16	30.9	783291
65	G 2 1/2	93.0	90.0	12	48.8	783292
80	G 3	113.0	113.0	12	79.4	783293
100	G 4	135.0	140.0	10	124.9	783294

1.) Pressure values: Overpressure with respect to atmospheric pressure

Stainless steel body, angle seat form

DN [mm]	Port connection DIN 2999	H [mm]	L [mm]	Nominal pressure ^{1.)} [bar]	Flow rate K _v	Article no.
8	R 1/4	30.0	65.0	40	3.7	783305
10	R 3/8	30.0	65.0	40	3.7	783306
15	R 1/2	34.0	65.0	40	5.8	783307
20	R 3/4	39.0	75.0	40	8.6	783308
25	R 1	42.0	90.0	40	13.8	783309
32	R 1 1/4	50.0	110.0	40	20.2	783310
40	R 1 1/2	57.0	120.0	40	30.9	783311
50	R 2	70.0	150.0	40	48.8	783312

1.) Pressure values: Overpressure with respect to atmospheric pressure