



Picture showing fitting Type SO01 Brass with pressure sensor/switch Type 8311

Our T-fitting SO01 can be used to connect any threaded sensor device for a measurement in the pipe. For example; indicators, sensors, switches, transmitters and controllers for easy flow, pressure and temperature control.

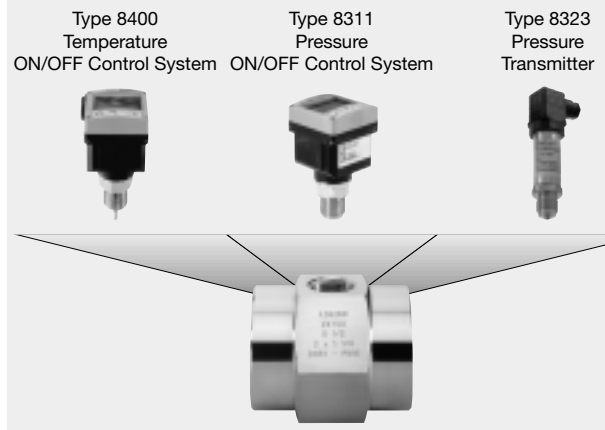
Process Specifications

Pipe diameter	1/2" up to 2"
Sensor connection	
Internal threaded ports	G 1/2 up to G 2 Rc 1/2 up to Rc 2 NPT 1/2 up to NPT 2
Temperatures	
Ambient	-40°F up to 257°F
Storage	-40°F up to 257°F
Fluid	limited and depending on sensor
Materials	
Seal	FPM (Viton)
Fitting	Brass
Pressure class	230 PSI (PN16)

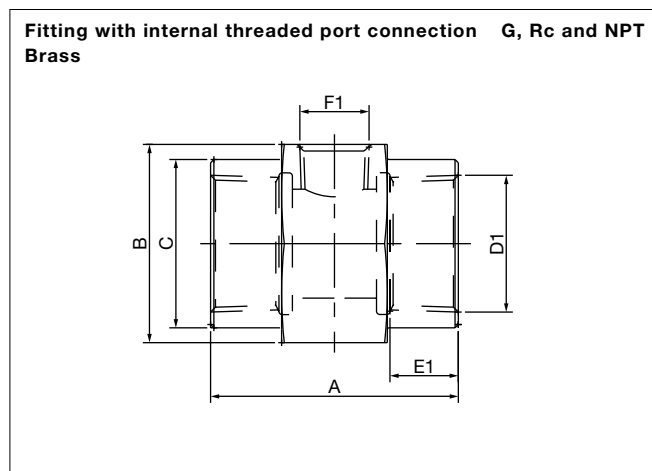
BRASS, T-Fitting

- ✓ Fitting adapted to whole Sensor Device Range
- ✓ Straight forward T-mounting

Applications: Insertion measurement in a pipe with threaded sensor devices



Dimensions [mm] for Fittings - Brass



Orifice DN	Internal Threaded Port			Measurements (General)		
	E1 [mm]	D1	F1 [mm]	A [mm]	B [mm]	C ø [mm]
15	14.0	G 1/2	G 1/2, NPT 1/2, Rc 1/2	65.0	□ 40	32.0
15	14.0	NPT 1/2		65.0	□ 40	32.0
15	14.0	Rc 1/2		65.0	□ 40	32.0
20	14.0	G 3/4		65.0	□ 45	38.0
20	14.0	NPT 3/4		65.0	□ 45	38.0
20	14.0	Rc 3/4		65.0	□ 45	38.0
25	16.5	G 1		70.0	A/F 55	44.0
25	16.5	NPT 1		70.0	A/F 55	44.0
25	16.5	Rc 1		70.0	A/F 55	44.0
32	18.5	G 1 1/4		70.0	A/F 55	52.5
32	18.5	NPT 1 1/4		70.0	A/F 55	52.5
32	18.5	Rc 1 1/4		70.0	A/F 55	52.5
40	18.5	G 1 1/2		75.0	A/F 60	58.5
40	18.5	NPT 1 1/2		75.0	A/F 60	58.5
40	18.5	Rc 1 1/2		75.0	A/F 60	58.5
50	23.0	G 2		80.0	A/F 70	69.0
50	23.0	NPT 2	80.0	A/F 70	69.0	
50	23.0	Rc 2	80.0	A/F 70	69.0	

Specifications - Ordering Chart (Other Versions on Request) for Type S001

Description	Orifice DN	Process Connection	Sensor Connection	Item No.
Brass Fitting World Wide				
• with internal threaded port connection				
Fitting with G 1/2 sensor connection	15	G 1/2	G 1/2	438 286 Y
Fitting with G 1/2 sensor connection	20	G 3/4	G 1/2	438 287 Z
Fitting with G 1/2 sensor connection	25	G 1	G 1/2	438 288 A
Fitting with G 1/2 sensor connection	32	G 1 1/4	G 1/2	438 289 B
Fitting with G 1/2 sensor connection	40	G 1 1/2	G 1/2	438 290 G
Fitting with G 1/2 sensor connection	50	G 2	G 1/2	438 291 V
Brass Fitting ASIAN				
• with internal threaded port connection ISO 7(JIS)				
Fitting with Rc 1/2 sensor connection	15	Rc 1/2	Rc 1/2	438 310 B
Fitting with Rc 1/2 sensor connection	20	Rc 3/4	Rc 1/2	438 311 Y
Fitting with Rc 1/2 sensor connection	25	Rc 1	Rc 1/2	438 312 Z
Fitting with Rc 1/2 sensor connection	32	Rc 1 1/4	Rc 1/2	438 313 S
Fitting with Rc 1/2 sensor connection	40	Rc 1 1/2	Rc 1/2	438 314 T
Fitting with Rc 1/2 sensor connection	50	Rc 2	Rc 1/2	438 315 U
Brass Fitting NAFTA				
• with internal threaded port connection				
Fitting with NPT 1/2 sensor connection	15	NPT 1/2	NPT 1/2	438 298 C
Fitting with NPT 1/2 sensor connection	20	NPT 3/4	NPT 1/2	438 299 D
Fitting with NPT 1/2 sensor connection	25	NPT 1	NPT 1/2	438 300 J
Fitting with NPT 1/2 sensor connection	32	NPT 1 1/4	NPT 1/2	438 301 F
Fitting with NPT 1/2 sensor connection	40	NPT 1 1/2	NPT 1/2	438 302 G
Fitting with NPT 1/2 sensor connection	50	NPT 2	NPT 1/2	438 303 H

Burkert's Full Range of Fittings for Fluid Control Systems



Type of Fitting made of	SO01	SO05	SO10	SO20	SO30
	<ul style="list-style-type: none"> • Brass • Stainless Steel 	<ul style="list-style-type: none"> • Brass • Stainless Steel 	<ul style="list-style-type: none"> • Brass • Stainless Steel • Plastic 	<ul style="list-style-type: none"> • Brass • Stainless Steel • Plastic 	<ul style="list-style-type: none"> • Brass • Stainless Steel • Plastic
To be mounted with	<ul style="list-style-type: none"> • 8002 • 8302 • 8308 • 8310 • 8311 • 8320 • 8323 • 8324 • 8400 • or any other unit with G 1/2 sensor connection 	<ul style="list-style-type: none"> • 8002 • 8302 • 8308 • 8310 • 8311 • 8320 • 8323 • 8324 • 8400 • or any other unit with G 1/2 sensor connection 	<ul style="list-style-type: none"> • SE10 (complete unit: 8010) 	<ul style="list-style-type: none"> • 8022 • 8024 • 8025 • 8045 • 8205 • 8206 • 8222 • 8225 • 8226 	<ul style="list-style-type: none"> • SE30 (complete unit: 8030) • SE32 (complete unit: 8032) • SE34 (complete unit: 8034) • SE35 (complete unit: 8035)
Advantages	Low Total Cost of Ownership	High flexibility with INLINE fittings	Closed pipe system (sensor inside fitting)	High flexibility with Insertion fittings (for large diameters)	Closed pipe system (sensor inside fitting)

For further information, e.g. diameters, process connections and item-numbers, please see type specific datasheets.



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In case of special application requirements, please consult for advice.

We reserve the right to make technical changes without notice.
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