

0 – 580 PSI (max.)

Advantages/Benefits



Picture shows pressure transmitter Type 8326 (display) with fitting Type S005

- ✓ **High Accuracy ($\leq 0.15\%$)**
- ✓ **With Optional Display**
- ✓ **Scaleable Measuring Ranges via Turn-Down of up to 1:20**
- ✓ **Output Signal 4-20 mA, 2-Wire**
- ✓ **Vertical or Horizontal Display (Rotates)**

Design/Function

This Pressure Transmitter is designed to cover the applications where high accuracy measurement is required. The Transmitter can easily be programmed with four key pads.

Process Specification

Standard Version

Process connection

G 1/2" and NPT 1/2" or any pipe with sensor connection (see datasheet Type S001 / S005)
0 up to 5, 24, 230 or 580 PSI

Measuring range

Flush Diaphragm Version

Process connection

Measuring Range

G 1/2"
0 up to 85, 240 or 580 PSI

Pharmaceutical Version

Process connection

Measuring Range

Accuracy

Behavior with turn-down

Turn down < 1:5

Turn down 1:5 up to 1:20

by the factor (turn down / 5)

Repeatability

Housing material

Sensor element

Wetted parts

no change of accuracy
the accuracy must be multiplied

$\leq 0.05\%$ of span
PBT (fiberglass-enforced plastic)
piezo (≤ 235 PSI) / thin film (580 PSI)

Standard version

Flush diaphragm version

Pharmaceutical version

Weight

316Ti stainless steel
316Ti stainless steel, FPM (Viton) seal
316L stainless steel, EPDM seal
approx. 1.5 lbs

Electrical Specification

Power supply (V_s)

Reversed polarity of DC

Short circuit protection

Overvoltage protection

Output signal

Adjustability

Zero point

Span

Maximum load

12 up to 36 VDC
protected
yes
yes
4-20 mA, two-wire

0 up to 99%
turn down of 1:20
 $R_A \leq (V_s [V] - 12 [V]) / 0.023 [A]$
locking plug M20 x 1.5
with internal cable gland

Electrical Connections

Environment Specifications

Type of protection

Fluid temperature range

Ambient temperature range

NEMA 4 (IP 65)
-22°F to 221°F (-30°C to 105°C)
-40°F to 185°F (-40°C to 85°C)
(without display)
-4°F to 158°F (-20°C to 70°C)
(with display)

Standards

EMC

Vibration proof

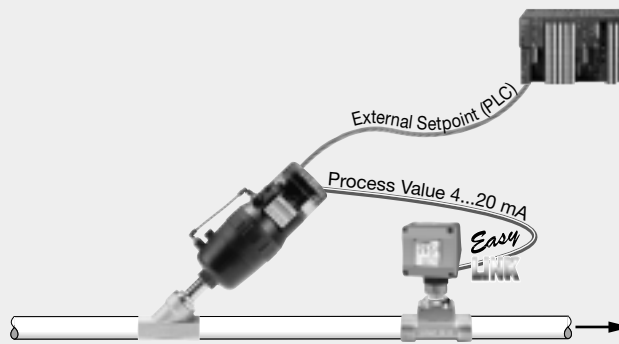
Shock proof

EN 50081-1, 50081-2, 50082-2
IEC 770, 5 g
IEC 770, 100 g

Application:

Pressure Control

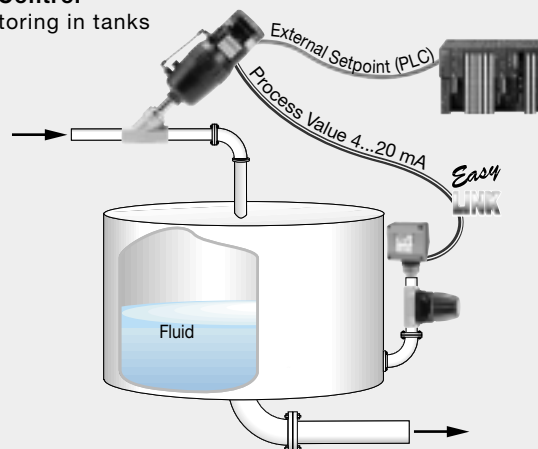
- Monitoring of fluid pressure
- Monitoring of pump functions
- Monitoring of filter functions



Application:

Level Control

- Monitoring in tanks



bürkert
Easy Fluid Control Solutions

Specifications - Ordering Chart (Other Versions on Request) for Type 8326

Pressure Range* [PSI]	Max. Pressure [PSI]	Bursting Pressure [PSI]	Power Supply	Seal Material	With Display Item-No. for corr. Sensor Connection		Without Display Item-No. for corr. Sensor Connection	
Standard version - with or without display					G 1/2	NPT 1/2	G 1/2	NPT 1/2
0 - 5	29	29	12 - 36 VDC	-	443 281 Y	443 285 U	443 320 A	443 324 S
0 - 24	145	145	12 - 36 VDC	-	443 282 Z	443 286 V	443 321 X	443 325 T
0 - 230	1160	1160	12 - 36 VDC	-	443 283 S	443 287 W	443 322 Y	443 326 U
0 - 580	1160	5800	12 - 36 VDC	-	443 284 T	443 288 F	443 323 Z	443 327 V
Flush diaphragm version - with or without display					G 1/2		G 1/2	
0 - 87	508	508	12 - 36 VDC	FPM	443 289 G		443 328 E	
0 - 230	1160	1160	12 - 36 VDC	FPM	443 290 D		443 329 F	
0 - 580	1160	5800	12 - 36 VDC	FPM	443 291 S		443 330 C	
Pharmaceutical version - with or without display					G 1		G 1	
0 - 5	29	29	12 - 36 VDC	EPDM	443 292 T		443 331 Z	
0 - 24	145	145	12 - 36 VDC	EPDM	443 293 U		443 332 S	
0 - 230	1160	1160	12 - 36 VDC	EPDM	443 294 V		443 333 T	

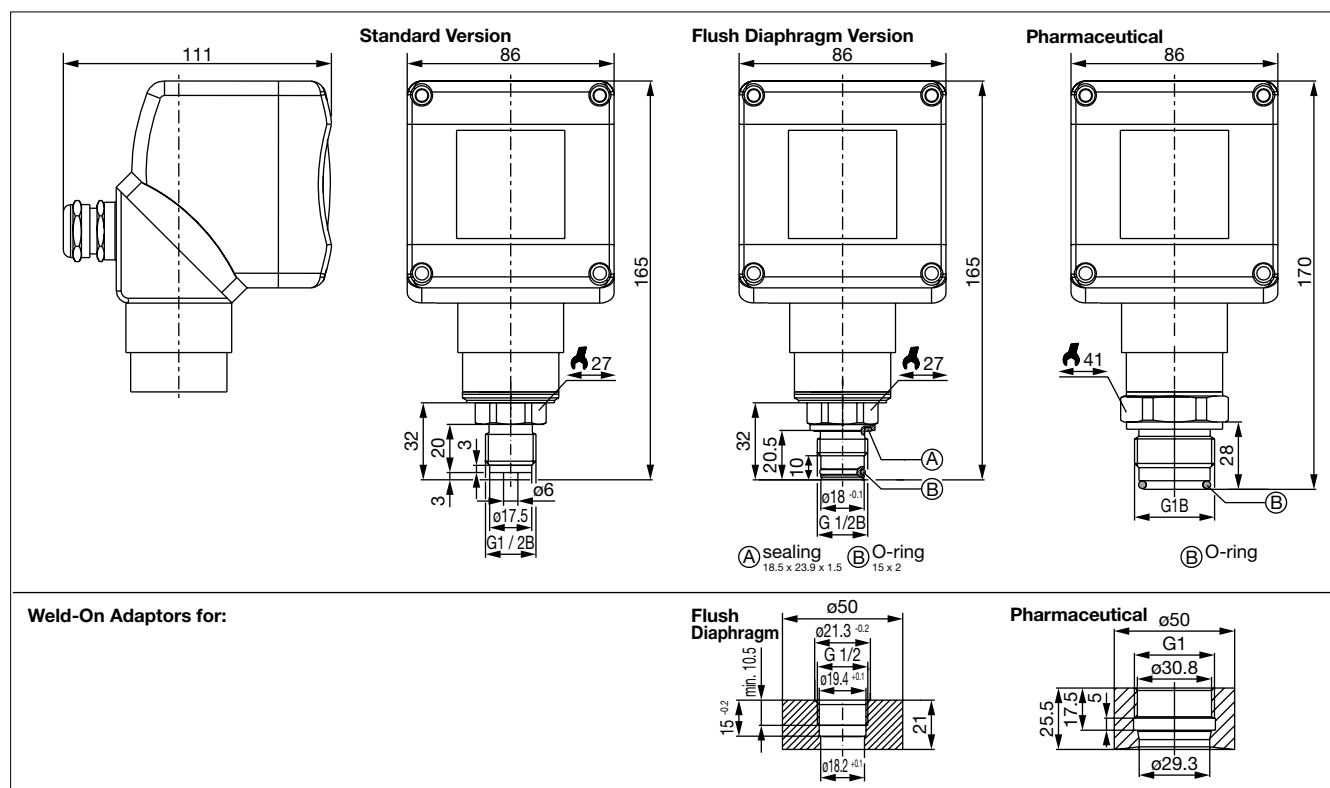
*Other pressure ranges on request

Accessories and Fittings for Type 8326

Description	Item-No.
SO01 fitting (brass or stainless steel)	see datasheet Type SO01
SO05 INLINE fitting with adapter plate (brass or stainless steel)	see datasheet Type SO05
Weld-on adaptor for Type 8326 flush diaphragm version	443 295 W
Weld-on adaptor for Type 8326 Pharmaceutical version	443 296 X

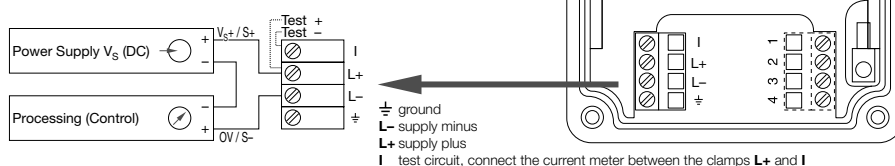
To be ordered separately

Dimensions [mm]



Electrical Connections

2-wire system



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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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