

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

G 1"  
0 up to 5, 24 or 230 PSI  
 $\leq 0.15\%$  of span

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

*Standard version*

*Flush diaphragm version*

*Pharmaceutical version*

Weight

#### Electrical Specification

Power supply ( $V_s$ )

Reversed polarity of DC

Short circuit protection

Overvoltage protection

Output signal

Adjustability

Zero point

Span

Maximum load

#### Electrical Connections

#### Environment Specifications

Type of protection

Fluid temperature range

Ambient temperature range

#### Standards

EMC

Vibration proof

Shock proof

no change of accuracy the accuracy must be multiplied

$\leq 0.05\%$  of span

PBT (fiberglass-enforced plastic)

piezo ( $\leq 235$  PSI) / thin film (580 PSI)

316Ti stainless steel

316Ti stainless steel, FPM (Viton) seal

316L stainless steel, EPDM seal

approx. 1.5 lbs

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

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)

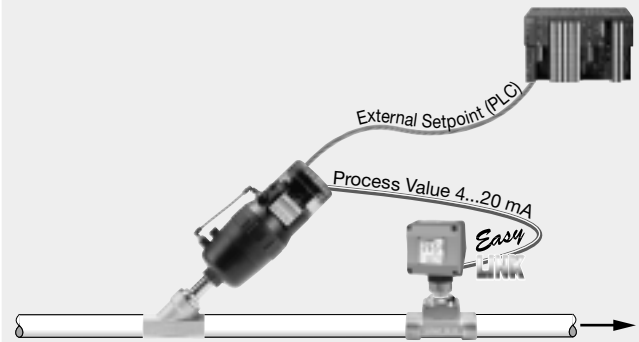
EN 50081-1, 50081-2, 50082-2

IEC 770, 5 g

IEC 770, 100 g

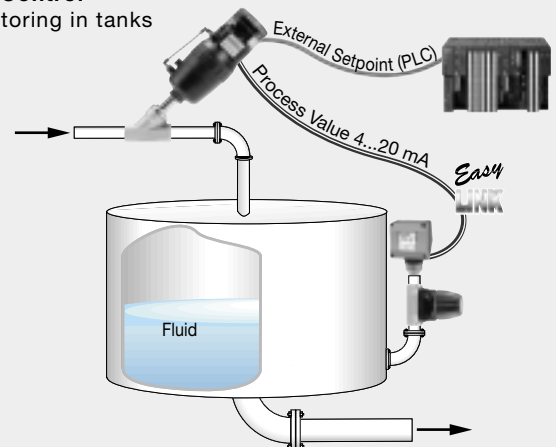
#### Application: Pressure Control

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



#### Application: Level Control

- Monitoring in tanks



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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		Without Display	
					Item-No. for corr. Sensor Connection		Item-No. for corr. Sensor Connection	
<b>Standard version - with or without display</b>								
0 - 5	29	29	12 - 36 VDC	-	G 1/2 443 281 Y	NPT 1/2 443 285 U	G 1/2 443 320 A	NPT 1/2 443 324 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
<b>Flush diaphragm version - with or without display</b>								
0 - 87	508	508	12 - 36 VDC	FPM	G 1/2 443 289 G		G 1/2 443 328 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	
<b>Pharmaceutical version - with or without display</b>								
0 - 5	29	29	12 - 36 VDC	EPDM	G 1 443 292 T		G 1 443 331 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	

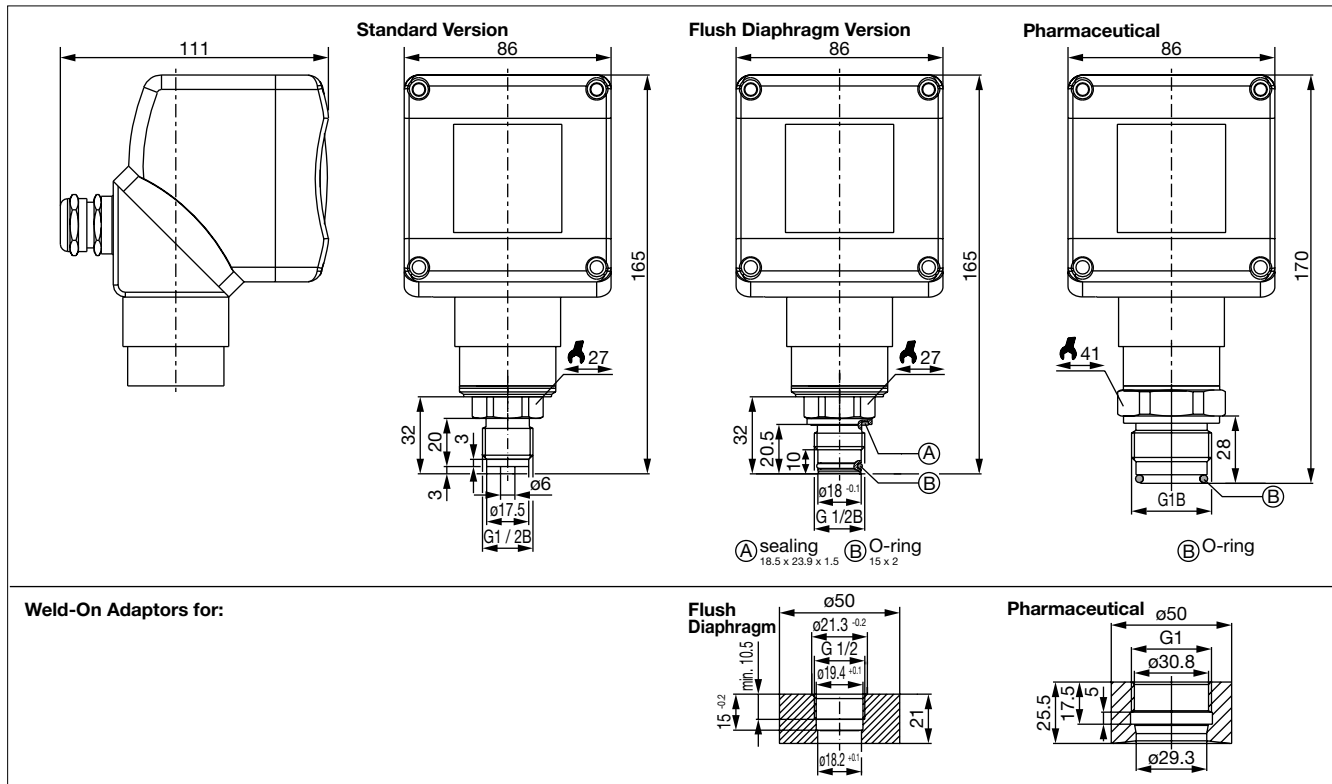
\*Other pressure ranges on request

## Accessories and Fittings for Type 8326

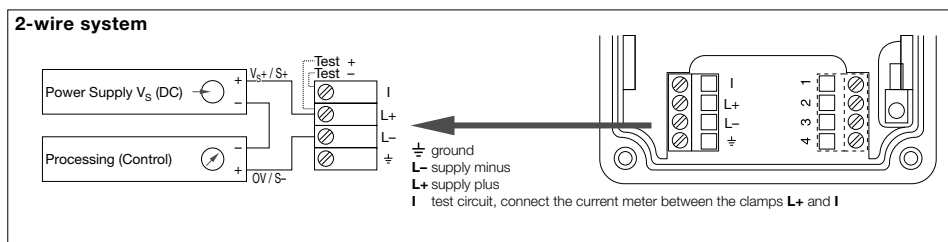
Description	Item-No.
SO01 fitting (brass or stainless steel)	see datasheet Type SO01
SO05 INLINE fitting with adapter plate (brass or stainless steel)	see datasheet Type SO05
Weld-on adaptor for Type 8326 flush diaphragm version	443 295 W
Weld-on adaptor for Type 8326 Pharmaceutical version	443 296 X

To be ordered separately

## Dimensions [mm]



## Electrical Connections



**Burkert Contromatic USA**  
2602 McGaw Avenue  
Irvine, CA 92614  
Tel. 949.223.3100  
Fax 949.223.3198  
www.burkert-usa.com

**Burkert Contromatic Inc.**  
760 Pacific Road, Unit 3  
Oakville, Ontario, Canada  
L6L 6M5  
Tel. 905.847.5566  
Fax 905.847.9006

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

We reserve the right to make technical changes without notice.  
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