

## I/A Series

# Foxboro Sanitary Pressure Transmitters

### Description

A wide variety of sanitary seals and connections means you can choose from one of the industry's most extensive pressure transmitter offerings to meet your sanitary transmitter requirements. Sanitary versions are available in both direct-connected and remote capillary-connected configurations.

Flush diaphragm types use industry-standard Tri-Clamp® connections. Extended diaphragm versions are offered with mating tank spuds that can be welded directly to your process vessels. Transmitter connection to the spud can be either Tri-Clamp or threaded. Extension lengths range from 0.8 to 9 inches (20 to 229 mm) to accommodate various tank and piping configurations.

FDA approved safe Neobee M20 fluid is used to transfer the measured process pressure from the process interface diaphragm to the sensor in the transmitter. The diaphragm is available in either 316L ss or Hastelloy C to assure long, reliable service.

Foxboro sanitary connections carry the prestigious 3A mark to indicate compliance with rigorous standards necessary for dairy and other demanding sanitary applications. Transmitter electronics housings are weatherproof and hose-down rated (NEMA 4X and IP66) and available in a choice of either epoxy coated aluminum or 316 ss.



### Features/Benefits

- Absolute, gauge, and differential
- Wide Choice of Measurement Ranges
- Direct or Remote Mounting
- Sizes 1 to 4 inch
- Flush or extended diaphragm
- Tri-clamp or threaded weld spud
- Extensions to 9 inches (229 mm)
- Neobee M20 FDA approved fill fluid
- 3A sanitary approved
- 316L or Hastelloy C process diaphragm
- Compact, lightweight, direct-connect absolute and gauge
- 4 to 20 mA and digital outputs
- HART, Foundation Fieldbus, Profibus, and FoxCom digital communications

These rugged housings protect the electronics module that may be specified to provide 4 to 20 mA or 1 to 5 V dc analog outputs, as well as HART, FoxCom, Foundation Fieldbus, or Profibus digital outputs. This means that nearly all system interface requirements can be met with one transmitter design, simply by specifying the required electronics version.

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**FOXBORO**®



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### IAP10, IGP10, or IGP25 with Tri-Clamp connection (TA, TB, or T2-T4)

- Flush Diaphragm with 1.5, 2.0, & 3.0 inch Tri-Clamp connections
- Choice of 316L ss or Hastelloy C Diaphragm Material



### IGP20, IDP10, or IDP25 with Tri-Clamp connection (PSSCT)

- Flush 316L ss Diaphragm with 2 or 3 inch Tri-Clamp Connection



### IAP10, IGP10, or IGP25 with extended diaphragm and Tri-Clamp spud connection (M1, M6, M9)

- Extended 316L ss Diaphragm with 2.5 inch Tri-Clamp connection
- Choice of 1.5, 6, or 9 inch (38, 152, or 229 mm) diaphragm extension and spud

### IGP20, IDP10, or IDP25 with extended diaphragm and Tri-Clamp spud connection (PSSST)

- Extended 316L ss Diaphragm with 2.5 or 4 inch Tri-Clamp Connection



### IAP10, IGP10, or IGP25 with 316L ss extended diaphragm and threaded spud connection (PX PZ)

- Extended Diaphragm with 1.0 or 1.5 inch Threaded Connections
- Fits 0.8 inch (20 mm) length tank spud



### IAP10/20, IGP10/20/25, or IDP10/25 with capillary and remote Tri-Clamp connection (PSSCR)

- Flush diaphragm with 2, 3, or 4 inch Tri-Clamp Connection
- Choice of 316L ss or Hastelloy C Diaphragm Material



### IAP10/20, IGP10/20/25, IDP10/25 with capillary and remote Tri-Clamp connection (PSSSR)

- Extended Diaphragm with choice of 2.5 inch or 4 inch Tri-Clamp Connection



Mounting Direct or Remote (a)	Sanitary Connection Type	Nominal Diaphragm Extension Length (b)		Nominal Connection Size (inches)	Sanitary Connection Codes	Transmitter Type (c)	Transmitter Models
		inches	mm				
Direct	Tri-Clamp	None (Flush)		1.5, 2, & 3	TA, TB, or T2-T4	AP or GP	IAP10, IGP10, IGP25
				2 & 3	PSSCT	GP or DP	IGP20, IDP10, IDP25
		1.5, 6, or 9	38, 152, or 229	2.5	M1, M6, or M9	AP or GP	IAP10, IGP10, IGP25
		1.5, 6, or 9	38, 152, or 229	2.5	PSSST	GP or DP	IGP20, IDP10, IDP25
		2 or 6	51 or 152	4			
	Threaded	0.8	20	1 & 1.5	PX or PZ	AP or GP	IAP10, IGP10, IGP25
Remote	Tri-Clamp	None (Flush)		2, 3, or 4	PSSCR	AP, GP, or DP	IAP10/20, IGP10/20/25, IDP10/25
		1.5, 6, or 9	38, 152, or 229	2.5	PSSSR		
		2 or 6	51 or 152	4			

(a) Direct = sanitary connection integral with transmitter; Remote = sanitary seal connected to transmitter via flexible capillary.

(b) Extended diaphragm types fit weld spuds that are available with the transmitter.

(c) AP = Absolute Pressure, GP = Gauge Pressure, and DP = Differential Pressure

Refer to Foxboro for detailed specifications.



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