Flowmeter SITRANS FUS880 (retrofit kit)

Application

- · Irrigation systems
- Irrigation distribution systems
- Pumping stations
- Canal laterals
- On-farm outlets
- Water well production
- Drip and sprinkler irrigation
- Center pivot systems
- Potable water

Design

The SITRANS FUS880 set contains all necessary parts to build up an ultrasonic flowmeter on existing pipes depending on choices at ordering:

- Templates to wrap around pipes for alignment of sensors
- Transducer threading tool
- Thread adapters
- Transducer alignment tools
- Mounting plugs or saddles as well as FUS880 transmitter dependant upon the specifics at time of ordering and required mounting hardware
- Cables



The SITRANS FUS880 is a battery-powered irrigation flowmeter, designed for pipes measuring from DN 200 up to DN 1200 (8" up to 48") in diameter. The SITRANS FUS880 gives you the ability to install the flowmeter underground retrofitting onto existing pipelines. This ultrasonic transient time irrigation flowmeter is used for full pipe flow measurements. Pipe material may be PVC or concrete and pipe construction may be single wall or double wall, smooth or corrugated.

The flowmeter produces a signal proportional to the velocity of the flow (flow rate) as the liquid flows past the ultrasonic sensors.

SITRANS FUS880 has transducers in the flow (inline) which assures superior aides in accuracy and superior performance when compared to doppler or many other types of flow measurement systems.

Benefits

- Cost-effective solution contains all the necessary components for retrofitting onto existing pipe
- · Battery-operated Maintenance-free up to 6 years
- SITRANS FUS880 is easy to install in pipeline sizes from DN 200 up to DN 1200 (8" up to 48") in diameter
- The transmitter display shows both accumulated volume and instantaneous flow rate.
- The flowmeter provides a digital signal that can be sent directly to a PLC/RTU/DCS
- Solid construction with no moving parts for a 100% maintenance and obstruction-free flowmeter
- The SITRANS FUS880 transmitter comes within an IP67 enclosure.
- Sensor can easily be buried and withstand constant flooding.
- Automatic calculation of the calibration factor when pipe geometry data are entered in the signal transmitter.
- Pipe material may be polyvinylchloride (PVC) or concrete
- Pipe construction may be single wall or double wall, smooth or corrugated

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Technical specifications

Accuracy

Typical $\leq \pm 2.0\%$, dependant upon the accuracy of measurements of tube diameter and during installation

Note:

Flow system measurement performance depends on the accuracy of the measurements taken at time of installation. This means that inaccurate measurements of angles, distance between transducers, wall thickness and pipe diameter have a direct effect on the accuracy as these values measured are entered into the memory of the FUS880 transmitter and used in part of the calculation of flow rate.

Requirements for pipes Size DN 200 ... DN 1200 (8" ... 48") **Transmitter Enclosure** Rating IP67 rated enclosure Materia Fibre glass reinforced polyamide Terminal box PA 6.6, 100 °C (212 °F) Transducer element AISI 316 Stainless Steel 200 °C (392 °F) 2000 Corrugated PVC Transducer holder: Polyvinyl chloride Mounting saddle: Polyvinyl chloride Pressure rating per spec. ASTM Line pressure max. D-1784 (5.5 bar (80 psi)) Temperature rating per spec. ASTM D-1784 (60 °C (140 °F)) Liquid temperature max. Pro21 Corrugated PVC Transducer holder: Polyvinyl chloride Mounting saddle: Polyvinyl chloride • Line pressure max. Pressure rating per spec. ASTM D-1784 (5.5 bar (80 psi)) Liquid temperature max. Temperature rating per spec. ASTM D-1784 (60 °C (140 °F)) Transducer holder: Polyvinyl chloride PVC Solid PIP 80 Mounting saddle: Polyvinyl chloride Pressure rating per spec. ASTM D-1784 (5.5 bar (80 psi)) • Line pressure max. Temperature rating per spec. ASTM D-1784 (60 °C (140 °F)) Liquid temperature max. Transducer holder: Polyvinyl chloride Concrete Mounting saddle: Polyvinyl chloride Line pressure max. Pressure rating per spec. ASTM D-1784 (5.5 bar (80 psi)) Temperature rating per spec. ASTM D-1784 (60 °C (140 °F)) Liquid temperature max. Structural Epoxy joint meets spec. ASTM D1002 (118 bar or 1710 psi) Pipe wall thickness A2000 Corrugated PVC 25 ... 50 mm (1" ... 2") Pro21 Corrugated PVC 25 ... 50 mm (1" ... 2") PVC Solid PIP 80 Less than 25 mm (1") • 51 ... 57 mm (2" ... 2.25") Concrete • 57 ... 64 mm (2.25" ... 2.5") • 70 ... 76 mm (2.75" ... 3") • 76 ... 83 mm (3" ... 3.25")

- 89 ... 95 mm (3.5" ... 3.75")
- 95 ... 100 mm (3.75" ... 4")
- 108 ... 114 mm (4.25" ... 4.50")

More information

Installation requirement

The space requirements around the pipe for retrofitting an ultrasonic flowmeter type SITRANS FUS880 are given below:

It is important to prepare excavation site for a safe and efficient installation. An underground pipe needs to be exposed so that there is a minimum of 1.52 m (5 ft) or more of working space on either side of the pipe. The length of the trench should exceed the template length by 1.83 m (6 ft) or more.

Pipe support:

Ensure that an unearthed pipe has sufficient support beneath it to prevent deformation or breakage.

Cave-in:

Always brace trench walls. Follow all applicable (e.g. municipal, company, customer, site, union) construction guidelines.

Epoxy:

Follow all safety recommendations listed by the epoxy manufacturer. Use proper protection equipment, such as gloves, safety glasses, clothing, etc. Read the labels on the epoxy cans before mixing. Note all safety related statements and temperature recommendations in particular. For additional information, see the epoxy manufacturer's internet site.

Pipe template:

Templates are printed on a durable material, such as Mylar, and are resistant to normal contaminants. Do not expose the template to excessive moisture or excessive periods of sunlight, heat and cold temperatures. Always roll and store the template in its' shipping tube. Do not stretch or fold as this could permanently damage the template.

Installation overview:

Installation steps

Installation of the SITRANS FUS880 is accomplished with the following steps.

- 1. Expose and clean the pipe.
- 2. Mark a centerline on the pipe.
- Place the template on the pipe and tape it securely to the З. pipe.
- 4. Mark the locations of the sensor mounting holes on the pipe.
- 5. Drill the sensor mounting holes in the pipe.
- 6. Clean and de-burr the sensor mounting area.
- Measure up the pipe circumference C, the wall thickness WT 7. and calculate OD and ID.
- 8. Epoxy and screw the saddle sensor holder to the pipe.
- Assemble and install the sensors-holders. 9.
- 10. Measure up the actual sensor-location to see if re-calibration is needed.
- 11. Assemble and install the sensors.
- 12. Install sensor wiring and conduit.
- 13. Install the transmitter and connect the sensor wiring.
- 14. Check the transmitter configuration.
- 15. Test the installation thoroughly and run a flow test.
- 16. Fill in the "Site Acceptance Form".
- 17. Cover the pipe.

For detailed instruction in installation please refer to User Manual Order no.: FDK:521HAP0553.

Flowmeter SITRANS FUS880 (retrofit kit)

Selection and Ordering data	Order No.
SITRANS F US Ultrasonic flowmeters SITRANS FUS880 PVC (Solid) (PIP80) SONOKIT Battery-powered	7 ME 3 4 4 0 -
Pipe diameter	
DN 200 (8") DN 250 (10") DN 300 (12") DN 380 (15")	2 F 2 K 2 P 2 M
DN 450 (18") DN 530 (21") DN 600 (24") DN 680 (27")	3 F 3 M 3 T 4 D
Wall thickness	
Less than 25 mm (1")	В
Pipe material	
PVC (Solid) (PIP80)	1
Track configuration	
1-track 2-track X-configuration	1 3
Region version	
EU, US	2
Transmitters	
SITRANS FUS080, IP67, Battery-powered	D
Template	
Standard	A
Cable length	
20 m (65.6 ft) with gland	4

Selection and Ordering data	Order code
Further designs	
Please add "-Z" to Order No. and specify Order code(s).	
Add on units of measure	
Flow unit GPM Flow unit CFS Flow unit m ³ /h	L01 L02 L03
Flow unit MGD Volume unit US Gal Volume unit m ³ /h	L05 L42 L44
Volume unit US Gal x 100 Volume unit US Gal x 1000 Volume unit US Mgal	L46 L49 L48
Volume unit AcF (Acre Feet) Volume unit AcI (Acre Inch)	L43 L51

Selection and Ordering data	Order No.
SITRANS F US	7 M E 3 4 4 0 -
Ultrasonic flowmeters	
SITRANS FUS880 A2000 Corrugated PVC SONOKIT 1-track	
Battery-powered	
Pipe diameter	
DN 380 (15")	2 V
DN 450 (18")	3 F
DN 530 (21")	3 M
DN 600 (24") DN 750 (30")	3 T 4 K
DN 900 (36")	5 B
Wall thickness	
25 50 mm (1" 2")	С
Pipe material	
PVC Corrugated A2000	3
Track configuration	
1-track	1
Region version	
EU, US	2
Transmitter	
SITRANS FUS080, IP67, Battery-powered	D
Template	
Standard	Α
Cable length	
20 m (65.6 ft) with gland	4

Selection and Ordering data	Order code
Further designs	
Please add "-Z" to Order No. and specify Order of	code(s).
Add on units of measure	
Flow unit GPM	L01
Flow unit CFS	L02
Flow unit m ³ /h	L03
Flow unit MGD	L05
Volume unit US Gal	L42
Volume unit m ³ /h	L44
Volume unit US Gal x 100	L46
Volume unit US Gal x 1000	L49
Volume unit US Mgal	L48
Volume unit AcF (Acre Feet)	L43
Volume unit AcI (Acre Inch)	L51

Flowmeter SITRANS FUS880 (retrofit kit)

Selection and Ordering data	Order No.
SITRANS F US Ultrasonic flowmeters	7 ME 3 4 4 0 -
SITRANS FUS880 Pro21 Corrugated PVC SONOKIT 1-track Battery-powered	
Pipe diameter	
DN 750 (30")	4 K
DN 840 (33")	4 P
DN 900 (36")	5 B
DN 1050 (42")	5 M
DN 1200 (48")	5 T
Wall thickness	
25 50 mm (1" 2")	С
Pipe material	
PVC Pro21 Corrugated	2
Track configuration	
1-track	1
Region version	
EU, US	2
Transmitter	
SITRANS FUS080, IP67, battery-powered	D
Template	
Standard	A
Cable length	
20 m (65.6 ft) with gland	4

Selection and Ordering data	Order code
Further designs	
Please add "-Z" to Order No. and specify Order code(s).	
Add on units of measure	
Flow unit GPM Flow unit CFS Flow unit m ³ /h	L01 L02 L03
Flow unit MGD Volume unit US Gal Volume unit m ³ /h	L05 L42 L44
Volume unit US Gal x 100 Volume unit US Gal x 1000 Volume unit US Mgal	L46 L49 L48
Volume unit AcF (Acre Feet) Volume unit AcI (Acre Inch)	L43 L51

Selection and Ordering data	Order No.
SITRANS F US Ultrasonic flowmeters	7 ME 3 4 4 0 -
SITRANS FUS880 Concrete SONOKIT 1-track Battery-powered	
Pipe diameter	
DN 300 (12") DN 380 (15") DN 450 (18")	2 P 2 V 3 F
DN 530 (21") DN 600 (24") DN 680 (27")	3 M 3 T 4 D
DN 750 (30") DN 900 (36") DN 1050 (42")	4 K 5 B 5 M
Wall thickness	
51 57 mm (2" 2.25") 57 64 mm (2.25" 2.5") 70 76 mm (2.75" 3") 76 83 mm (3" 3.25")	D E F G
89 95 mm (3.5" 3.75") 95 100 mm (3.75" 4") 108 114 mm (4.25" 4.5")	H J K
Pipe material	
Concrete	4
Track configuration	
1-track	1
Region version	
EU, US	2
Transmitter	
SITRANS FUS080, IP67, battery-powered	D
Template	
Standard	А
Cable length	
20 m (65.6 ft) with gland	4
Selection and Ordering data	Order code

Selection and Ordering data	Order code
Further designs	
Please add "-Z" to Order No. and specify Order c	code(s).
Add on units of measure	
Flow unit GPM	L01
Flow unit CFS	L02
Flow unit m ³ /h	L03
Flow unit MGD	L05
Volume unit US Gal	L42
Volume unit m ³ /h	L44
Volume unit US Gal x 100	L46
Volume unit US Gal x 1000	L49
Volume unit US Mgal	L48
Volume unit AcF (Acre Feet)	L43
Volume unit AcI (Acre Inch)	L51

Flowmeter SITRANS FUS880 (retrofit kit)

Selection and Ordering data	Order No.	Holder Dlug	Order No.
Accessories and Spare parts SITRANS F US Ultrasonic flowmeters		Holder - Plug 51 57 mm (2" 2.25") Cement sensor	TOX-10047 100
	7ME3440-0AA01-2DA4	- holder, PVC	TGX:16347-120
FUS880 transmitter includes 2 transducers and 20 m (65.6 ft) of cable	7ME3440-0AA01-2DA4	57 64 mm (2.25" 2.5") Cement sensor holder, PVC	TGX:16347-121
FUS880 Installation pipe template		 70 76 mm (2.75" 3") Cement sensor holder, PVC 	TGX:16347-122
Template, PVC PIP 80		76 83 mm (3" 3.25") Cement sensor	TGX:16347-123
DN 250 (10")	TGX:16347-80	holder, PVC	TOX-10047 104
DN 300 (12")	TGX:16347-81	89 95 mm (3.5" 3.75") Cement sensor holder, PVC	TGX:16347-124
DN 380 (15") DN 450 (18")	TGX:16347-82 TGX:16347-83	102 108 (4" 4.25") Cement sensor	TGX:16347-125
DN 530 (21")	TGX:16347-84	holder, PVC 108 114 mm (4.25" 4.5") Cement	TGX:16347-127
DN 600 (24")	TGX:16347-85	sensor holder, PVC	
DN 680 (27")	TGX:16347-86	A2000 - DN 900 (36") ID	TGX:16347-134
Template, Concrete		PRO-21 - DN 1050 (42") ID	TGX:16347-135
DN 300 (12")	TGX:16347-90	<u>Straps -Kits</u>	
DN 380 (15") DN 400 (16")	TGX:16347-91 TGX:16347-89	Strap kit for -134 & -135 plugs	TGX:16347-235
DN 450 (18")	TGX:16347-92	Strap kit for -120, -121, -122, -123 plugs Strap kit for -124 & -125 plugs	TGX:16347-236 TGX:16347-237
DN 530 (21")	TGX:16347-93	Strap kit for -127 plug	TGX:16347-238
DN 600 (24")	TGX:16347-94	Adhesive	
DN 680 (27")	TGX:16347-95	1 lb epoxy	A6X30004048
DN 750 (30")	TGX:16347-96	Adapter	
DN 900 (36") DN 1050 (42")	TGX:16347-97 TGX:16347-98	Conduit adapter	A6X30003981
Template, pipe DN 900 (36") PVC, A2000	TGX:16347-100	Tools	
corrugated		Sensor Wrench	TGX:16347-111
Template, pipe DN 1050 (42") Pro21 corru-	TGX:16347-101	Alignment Tool	TGX:16347-137
gated		Documentation	
		– Manual	FDK:521HAP0553
FUS880 Installation spare kit		Converter	
Concrete kit, Sensor mounting		FUS880 converter kit for 2 track SYS	7ME3440-0AA03-20
51 57 mm (2" 2.25") 57 64 mm (2.25" 2.5")	TGX:16347-213K TGX:16347-214K	Note:	
70 76 mm (2.75" 3")	TGX:16347-214K	Installation spares kit include:	
/ю 83 mm (3° 3.25°)	TGX:16347-216K	<u>Concrete kit:</u>	
	TGX:16347-216K TGX:16347-217K	2 transducer mounting plugs, 2 straps, mou	nting hardware, epo
89 95 mm (3.5" 3.75")		2 transducer mounting plugs, 2 straps, mou conduit adapter, installation guide	nting hardware, epo:
89 95 mm (3.5" 3.75") 95 100 mm (3.75" 4")	TGX:16347-217K	2 transducer mounting plugs, 2 straps, mou conduit adapter, installation guide <i>PVC kit:</i>	0
76 83 mm (3" 3.25") 89 95 mm (3.5" 3.75") 95 100 mm (3.75" 4") 108 114 mm (4.25" 4.5") PVC kit, Sensor Mounting	TGX:16347-217K TGX:16347-218K	2 transducer mounting plugs, 2 straps, mou conduit adapter, installation guide	0
89 95 mm (3.5" 3.75") 95 100 mm (3.75" 4") 108 114 mm (4.25" 4.5") PVC kit, Sensor Mounting DN 300 (12")	TGX:16347-217K TGX:16347-218K TGX:16347-212K TGX:16347-219K	2 transducer mounting plugs, 2 straps, mou conduit adapter, installation guide <u>PVC kit:</u> 2 transducer mounting saddles, mounting h	0
89 95 mm (3.5" 3.75") 95 100 mm (3.75" 4") 108 114 mm (4.25" 4.5") <u>PVC kit, Sensor Mounting</u> DN 300 (12") DN 380 (15")	TGX:16347-217K TGX:16347-218K TGX:16347-212K TGX:16347-219K TGX:16347-220K	2 transducer mounting plugs, 2 straps, mou conduit adapter, installation guide <u>PVC kit:</u> 2 transducer mounting saddles, mounting h	0
89 95 mm (3.5" 3.75") 95 100 mm (3.75" 4") 108 114 mm (4.25" 4.5") PVC kit, Sensor Mounting DN 300 (12") DN 380 (15") DN 450 (18")	TGX:16347-217K TGX:16347-218K TGX:16347-212K TGX:16347-219K TGX:16347-220K TGX:16347-221K	2 transducer mounting plugs, 2 straps, mou conduit adapter, installation guide <u>PVC kit:</u> 2 transducer mounting saddles, mounting h	0
89 95 mm (3.5" 3.75") 95 100 mm (3.75" 4") 108 114 mm (4.25" 4.5") PVC kit, Sensor Mounting DN 300 (12") DN 380 (15") DN 450 (18") DN 530 (21")	TGX:16347-217K TGX:16347-218K TGX:16347-212K TGX:16347-219K TGX:16347-220K TGX:16347-221K TGX:16347-222K	2 transducer mounting plugs, 2 straps, mou conduit adapter, installation guide <u>PVC kit:</u> 2 transducer mounting saddles, mounting h	0
89 95 mm (3.5" 3.75") 95 100 mm (3.75" 4") 108 114 mm (4.25" 4.5") PVC kit, Sensor Mounting DN 300 (12") DN 380 (15") DN 450 (18") DN 530 (21") DN 600 (24")	TGX:16347-217K TGX:16347-218K TGX:16347-212K TGX:16347-219K TGX:16347-220K TGX:16347-221K	2 transducer mounting plugs, 2 straps, mou conduit adapter, installation guide <u>PVC kit:</u> 2 transducer mounting saddles, mounting h	0
89 95 mm (3.5" 3.75") 95 100 mm (3.75" 4") 108 114 mm (4.25" 4.5") <u>PVC kit, Sensor Mounting</u> DN 300 (12") DN 380 (15") DN 450 (18") DN 530 (21") DN 600 (24") DN 680 (27")	TGX:16347-217K TGX:16347-218K TGX:16347-212K TGX:16347-219K TGX:16347-220K TGX:16347-221K TGX:16347-222K TGX:16347-223K	2 transducer mounting plugs, 2 straps, mou conduit adapter, installation guide <u>PVC kit:</u> 2 transducer mounting saddles, mounting h	0
89 95 mm (3.5" 3.75") 95 100 mm (3.75" 4") 108 114 mm (4.25" 4.5") <u>PVC kit, Sensor Mounting</u> DN 300 (12") DN 380 (15") DN 450 (18") DN 530 (21") DN 600 (24") DN 680 (27") Corrugated PVC kit, DN 900 (36") A2000	TGX:16347-217K TGX:16347-218K TGX:16347-212K TGX:16347-219K TGX:16347-220K TGX:16347-221K TGX:16347-222K TGX:16347-223K TGX:16347-223K	2 transducer mounting plugs, 2 straps, mou conduit adapter, installation guide <u>PVC kit:</u> 2 transducer mounting saddles, mounting h	0
89 95 mm (3.5" 3.75") 95 100 mm (3.75" 4") 108 114 mm (4.25" 4.5") PVC kit, Sensor Mounting DN 300 (12") DN 380 (15") DN 450 (18") DN 530 (21") DN 600 (24") DN 680 (27") Corrugated PVC kit, DN 900 (36") A2000 Corrugated PVC kit, DN 1050 (42"') Pro21	TGX:16347-217K TGX:16347-218K TGX:16347-219K TGX:16347-220K TGX:16347-220K TGX:16347-221K TGX:16347-222K TGX:16347-223K TGX:16347-224K TGX:16347-225K	2 transducer mounting plugs, 2 straps, mou conduit adapter, installation guide <u>PVC kit:</u> 2 transducer mounting saddles, mounting h	0
89 95 mm (3.5" 3.75") 95 100 mm (3.75" 4") 108 114 mm (4.25" 4.5") PVC kit, Sensor Mounting DN 300 (12") DN 380 (15") DN 450 (18") DN 530 (21") DN 600 (24") DN 680 (27") Corrugated PVC kit, DN 900 (36") A2000 Corrugated PVC kit, DN 1050 (42"') Pro21 FUS880 spares	TGX:16347-217K TGX:16347-218K TGX:16347-219K TGX:16347-220K TGX:16347-220K TGX:16347-221K TGX:16347-222K TGX:16347-223K TGX:16347-224K TGX:16347-225K	2 transducer mounting plugs, 2 straps, mou conduit adapter, installation guide <u>PVC kit:</u> 2 transducer mounting saddles, mounting h	0
89 95 mm (3.5" 3.75") 95 100 mm (3.75" 4") 108 114 mm (4.25" 4.5") PVC kit, Sensor Mounting DN 300 (12") DN 380 (15") DN 450 (18") DN 530 (21") DN 600 (24") DN 680 (27") Corrugated PVC kit, DN 900 (36") A2000 Corrugated PVC kit, DN 1050 (42"') Pro21 FUS380 spares Holder - Saddle DN 250 (10") PIP 80 PVC Saddle	TGX:16347-217K TGX:16347-218K TGX:16347-219K TGX:16347-220K TGX:16347-220K TGX:16347-221K TGX:16347-222K TGX:16347-223K TGX:16347-224K TGX:16347-225K	2 transducer mounting plugs, 2 straps, mou conduit adapter, installation guide <u>PVC kit:</u> 2 transducer mounting saddles, mounting h	0
89 95 mm (3.5" 3.75") 95 100 mm (3.75" 4") 108 114 mm (4.25" 4.5") <u>PVC kit, Sensor Mounting</u> DN 300 (12") DN 380 (15") DN 450 (18") DN 450 (18") DN 600 (24") DN 600 (24") DN 680 (27") Corrugated PVC kit, DN 900 (36") A2000 Corrugated PVC kit, DN 1050 (42"') Pro21 FUS880 spares <u>Holder - Saddle</u> DN 250 (10") PIP 80 PVC Saddle DN 300 (12") PIP 80 PVC Saddle	TGX:16347-217K TGX:16347-218K TGX:16347-219K TGX:16347-219K TGX:16347-220K TGX:16347-221K TGX:16347-222K TGX:16347-223K TGX:16347-225K TGX:16347-226K TGX:16347-165 TGX:16347-165	2 transducer mounting plugs, 2 straps, mou conduit adapter, installation guide <u>PVC kit:</u> 2 transducer mounting saddles, mounting h	0
89 95 mm (3.5" 3.75") 95 100 mm (3.75" 4") 108 114 mm (4.25" 4.5") PVC kit, Sensor Mounting DN 300 (12") DN 380 (15") DN 450 (18") DN 450 (18") DN 600 (24") DN 680 (27") Corrugated PVC kit, DN 900 (36") A2000 Corrugated PVC kit, DN 1050 (42"') Pro21 FUS880 spares Holder - Saddle DN 250 (10") PIP 80 PVC Saddle DN 300 (12") PIP 80 PVC Saddle DN 380 (15") PIP 80 PVC Saddle	TGX:16347-217K TGX:16347-218K TGX:16347-219K TGX:16347-219K TGX:16347-220K TGX:16347-221K TGX:16347-222K TGX:16347-223K TGX:16347-225K TGX:16347-225K TGX:16347-226K	2 transducer mounting plugs, 2 straps, mou conduit adapter, installation guide <u>PVC kit:</u> 2 transducer mounting saddles, mounting h	0
89 95 mm (3.5" 3.75") 95 100 mm (3.75" 4") 108 114 mm (4.25" 4.5")	TGX:16347-217K TGX:16347-218K TGX:16347-219K TGX:16347-219K TGX:16347-220K TGX:16347-221K TGX:16347-222K TGX:16347-223K TGX:16347-225K TGX:16347-225K TGX:16347-226K	2 transducer mounting plugs, 2 straps, mou conduit adapter, installation guide <u>PVC kit:</u> 2 transducer mounting saddles, mounting h	0
89 95 mm (3.5" 3.75") 95 100 mm (3.75" 4") 108 114 mm (4.25" 4.5") PVC kit, Sensor Mounting DN 300 (12") DN 380 (15") DN 450 (18") DN 450 (18") DN 600 (24") DN 680 (27") Corrugated PVC kit, DN 900 (36") A2000 Corrugated PVC kit, DN 1050 (42"') Pro21 FUS880 spares Holder - Saddle DN 250 (10") PIP 80 PVC Saddle DN 380 (15") PIP 80 PVC Saddle DN 380 (15") PIP 80 PVC Saddle DN 450 (18") PIP 80 PVC Saddle	TGX:16347-217K TGX:16347-218K TGX:16347-219K TGX:16347-219K TGX:16347-220K TGX:16347-221K TGX:16347-222K TGX:16347-223K TGX:16347-225K TGX:16347-225K TGX:16347-226K	2 transducer mounting plugs, 2 straps, mou conduit adapter, installation guide <u>PVC kit:</u> 2 transducer mounting saddles, mounting h	0

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A rotork Brand

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Level: Level Transmitters & Switches

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Precision Pneumatics: Pressure Regulators, I-P Converters, Volume Boosters, Vacuum Regulators

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