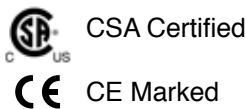


CoolPoint™ CX (Polysulfone)

UNIVERSAL® Flow Monitors

**Plastic Vortex Shedding
Flowmeter with 4-20mA,
pulse out and switching**



Description

This flowmeter is made for water, chemicals and low viscosity fluids compatible with materials of construction.

Features:

- Flow rate transmitter 4-20mA (standard 3-wire version power supplied separate from 4-20)
- High and low solid state relays or single relay with pulse out (100 pulses per gallon)
- 2-wire version (option E14) has no display & can be operated in an intrinsically safe mode only in conjunction with an approved IS barrier meeting required entity parameter's
- LED digital display
- No moving parts to clog or wear
- Certified CSA and CE

Electrical Specifications

- Input Power: 10 - 30 VDC @ 80 mA 3 wire standard, (2 wire IS available with approved barrier, no visual readout).
- Electrical Connection
 Pin Connector (standard)
 Pigtails (optional)

Material Specifications

Flow bodies of polysulfone and Viton Seals
 Bluffs and Sensor made of PEEK

User-Configurable Options

Features that are selectable

- Solid state relays as (N.O. or N.C.)
- Configure one solid state relay as pulse out
- Engineering units (GPM, LPM)

Instrument Specifications

- Flow
 Visual readout: 3 digit LED, 0.3" digit height
 Response time: 200 ms
 Alarm: 5% F.S. deadband
 Accuracy: ±1 % F.S.
 Repeatability: ±.25% of indicated flow
 Turndown (ratio of max to min flow): 10:1
 (20:1 available with W1 option)
- Pressure
 200 PSIG (13.6 Bar) operating pressure
 Fluid temperature limits:
 34-210°F (2-99°C)
- Enclosure rating: IP65; type 4X
- Pipe Connections:
 Female or male NPT
- Minimum backpressure required (5 PSI typical at midrange, 10 PSI at high flows)
- Over range to 125% without damage
- Straight run 10 pipe diameters upstream and 5 down for max accuracy

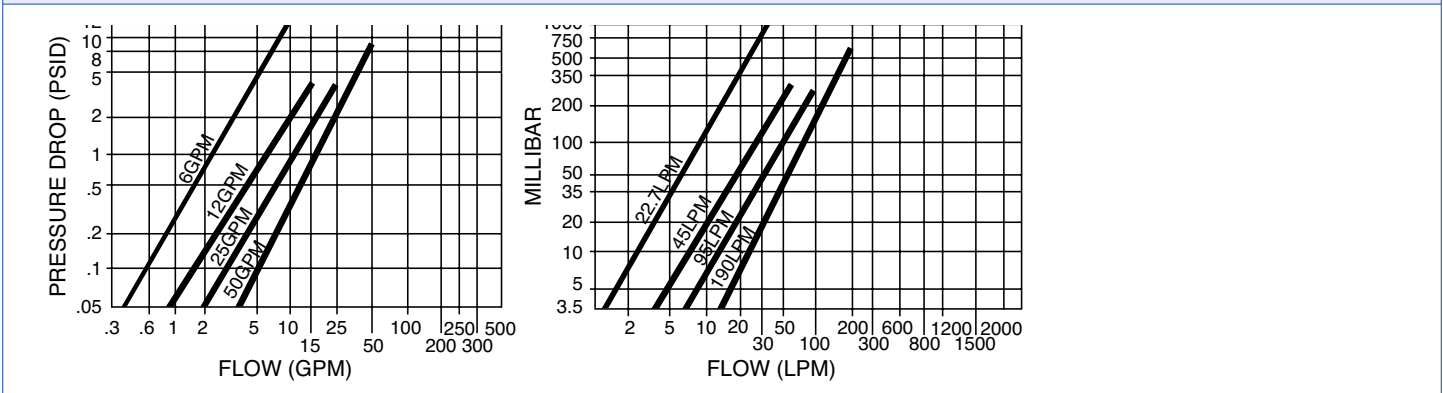
How To Order Select the appropriate symbols to build a model code:

MODEL CODES

CX SERIES						
Flow Maximum GPM (LPM)	Pipe Size in Inches	Series Code	Material	Thread Options	Connector	Special Options
3 (11)	1/4"	CX2	M5 = Polysulfone	T1 = NPT Female T6 = NPT Male	C1 = Pin connector C2 = Pig tails	W1 = 20:1 extended turndown* E14 = 2wire 4-20mA loop-powered transmitter. No alarms display or high temp available with this option. NOTE: E14 option can be operated in an intrinsically safe mode only when used in conjunction with an approved intrinsic safe barrier meeting required entity parameters.
6 (23)	3/8"	CX3				
12 (45)	1/2"	CX4				
25 (95)	3/4"	CX6				
50 (190)	1"	CX8				

*Not available on CX2

PRESSURE DROP CHARTS



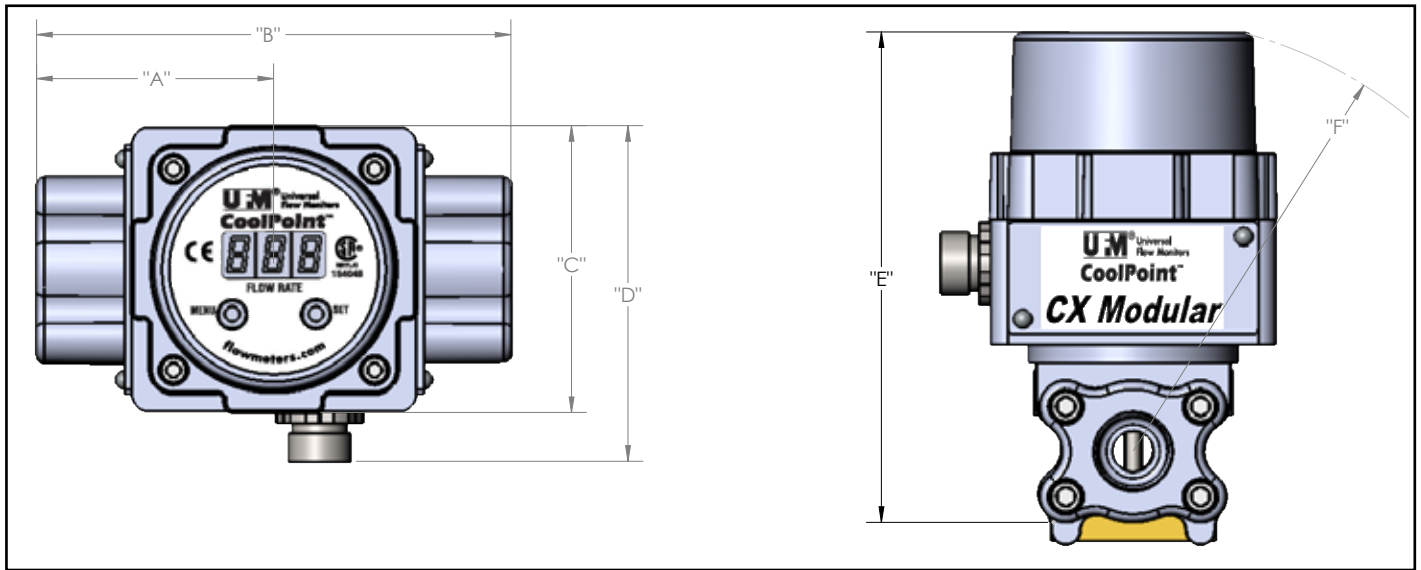
ACCESSORY CABLES AVAILABLE FOR PIN CONNECTOR

Series	Description	Length in Meters	Part Number
CX	5 pin female	1	6241-1M
		3	6241-3M
		10	6241-10M
CX	3 pin female	1	9026
		5	9029 (Used with E14 option 2-wire)
		10	9031

Intrinsically Safe Barrier

8140R-ASSY (Used with E14 option)

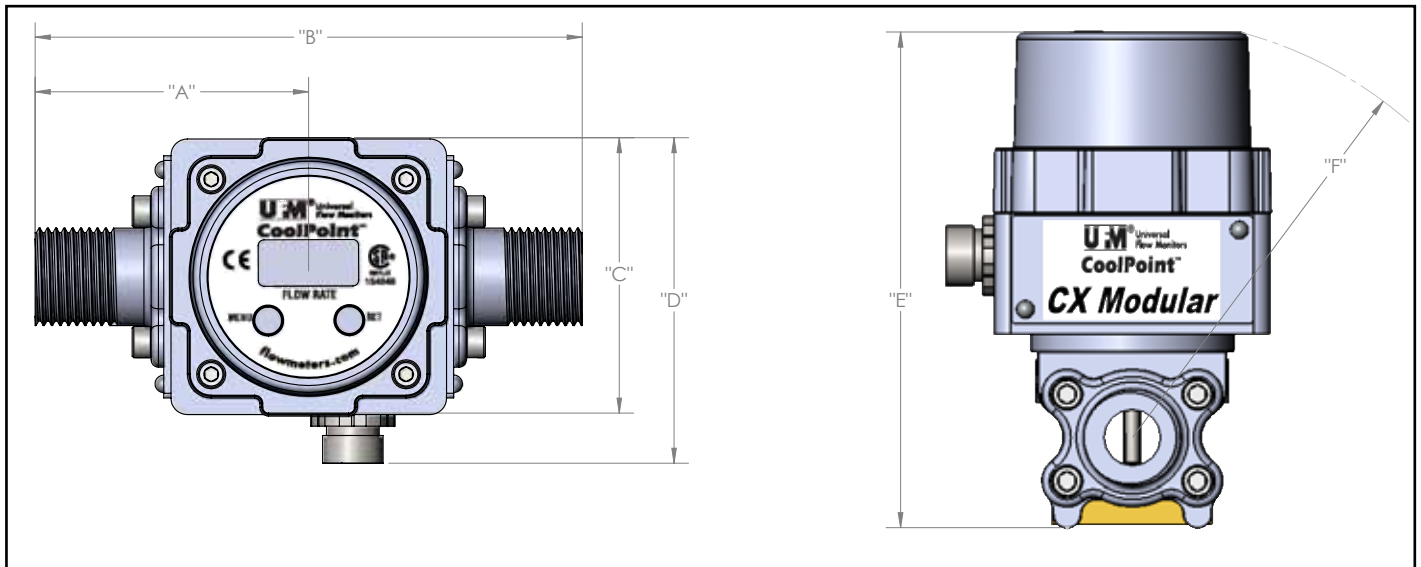
INSTALLATION DRAWING FEMALE NPT



CX Female Fitting Dimensions

		DIM "A"	DIM "B"	DIM "C"	DIM "D"	DIM "E"	DIM "F"
CX2, CX3 & CX4	in	1.98	3.97	2.40	4.81	4.28	R3.61
	mm	5.03	10.08	6.10	12.22	10.87	R9.20
CX6 & CX8	in	2.38	4.75	2.40	2.81	4.85	R 3.80
	mm	6.05	12.07	6.10	7.14	12.32	R9.65

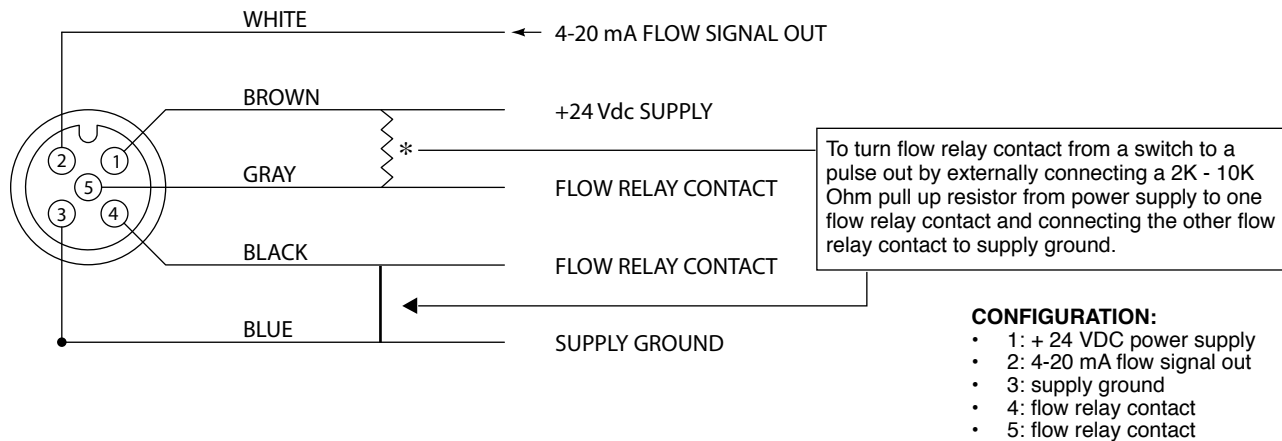
INSTALLATION DRAWING MALE NPT



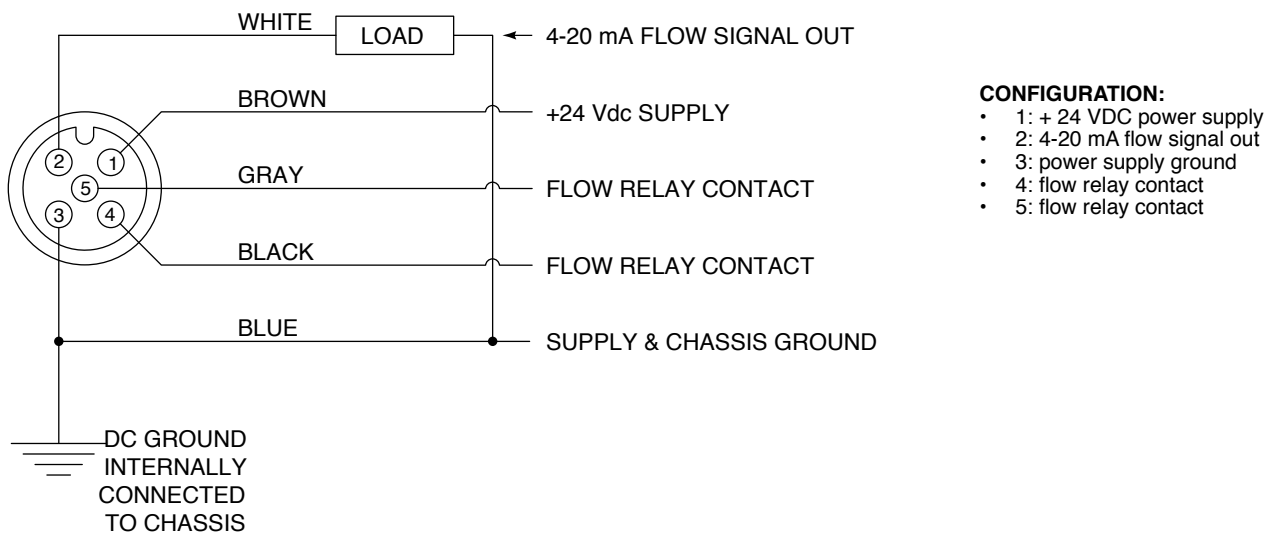
CX Male Fitting Dimensions

		DIM "A"	DIM "B"	DIM "C"	DIM "D"	DIM "E"	DIM "F"
CX2, CX3 & CX4	in	2.36	4.72	2.36	2.81	4.28	R3.61
	mm	5.99	11.99	5.99	7.14	10.87	R9.20
CX6 & CX8	in	3.30	6.61	2.40	2.81	4.85	R 3.80
	mm	8.38	16.79	6.10	7.14	12.32	R9.65

PIN CONNECTOR STANDARD WIRING



W1 OPTION (GROUNDED)



CX 2 WIRE TRANSMITTER

