



# P.G. Information - Special Product

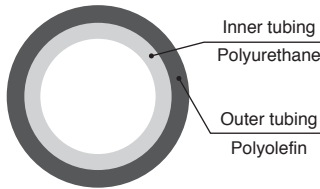
PG-US11-01

## IN-241-330\*\*

Inch Sizes

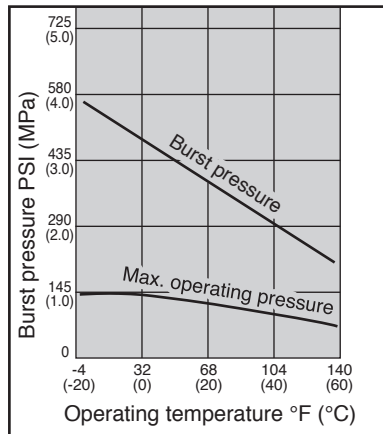
## Spatter Resistant (Equivalent to UL-94 Standard V-0)

## FR Double Layer Polyurethane Tubing



Sectional view of FR double layer tubing

### Burst Pressure Characteristics Curve and Operating Pressure



### Model

RoHS

Model	IN-241-3307*	IN-241-3308*	IN-241-3309*
Inner tubing O.D. [in (mm)]	0.25 (6.35)	0.375 (9.53)	0.5 (12.7)
Inner tubing I.D. [in (mm)]	0.17 (4.23)	0.25 (6.35)	0.33 (8.46)
External layer thickness [in (mm)]	0.039 (1)	0.039 (1)	0.039 (1)

External layer color (note)	Black (B)			
	Blue (BU)			
	Green (G)			
	Red (R)			
	White (W)			
	Yellow (Y)			

Minimum bending radius [in (mm)]	0.91 (23)	1.06 (27)	1.38 (35)
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Note) The color of all inner tubing is black.

### Specifications

Fluid		Air / water
Max. operating pressure (@ 68°F/20°C)		116 psi (0.8 MPa)
Burst pressure		Refer to the burst pressure characteristics curve
Recommended fittings		KQB2, KQG2 one-touch fittings; KFG2 insert fittings
Ambient and fluid temperature		Air: -4 ~ 140°F (-20 ~ 60°C) Water: 32 ~ 104°F (0 ~ 40°C) [no freezing]
Material	Inner Tubing	Polyurethane
	Outer layer	Polyolefin (equivalent to UL-94 standard V-0)
Length per roll		328 ft (100m)

### How to Order

IN-241-3307

BU

Tubing Model

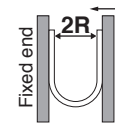
Color

Symbol	Inner tubing O.D.
IN-241-3307	1/4"
IN-241-3308	3/8"
IN-241-3309	1/2"

Symbol	Color
B	Black
BU	Blue
G	Green
R	Red
W	White
Y	Yellow

### Caution

1. Applicable for general industrial water. Please consult with SMC if using for the other kind of fluid.
2. Refer to the burst pressure characteristics curve for other temperatures. Furthermore, abnormal temperature rises caused by adiabatic compression may result in the burst of the tube.
3. The value of the minimum bending radius is measured at the temperature of 68°F(20°C) as shown in the figure on the right.



Bend the tube into U-form at a temperature of 68°F (20°C). Fix one end and close loop gradually. Measure 2R when the tube breaks or is crushed.



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PZ-RRD-5M

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