Sanitary Elbow Thermowell

Ranging in size from 1" to 6" lines, these Sanitary Elbow Thermowells offer unbeatable immersion depths with reduced stress on the probe stem to ensure accurate and reliable temperature measurements in all types of pharmaceutical and food grade applications. This integral thermowell design provides the convenient ability to remove and replace the sensor for calibration or maintenance without having to open up the process line. FNPT and Sanitary Cap connections available as best meets your requirements. Elbows comply with ASME BPE DT-4-1, MJ-8.5-1, SF-2.2-1, SF-2.2-2 (when electropolished), and SF-2.6-1.

#1	DESCRIPTION
5R	Sanitary Elbow Thermowell

#2	ELBOW SIZE				
1	1" Elbow	25	2.5" Elbow	6	6" Elbow
15	1.5" Elbow	3	3" Elbow	X	Other, specify
2	2" Elbow	4	4" Elbow		

#3	MATERIAL
L	316L Stainless Steel **(Standard -- ASME BPE Chemical Composition Compliant)**
D	Hastelloy C-22
Q	Hastelloy C-276
R	AL6XN
X	Other, specify

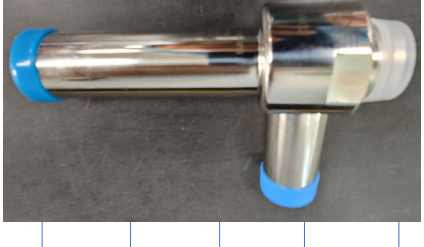
#4	PROCESS CONNECTION **MUST CHOOSE 1**	#4.1 SENSOR CONNECTION **MUST CHOOSE 1**	
1	Hygenic Ferrule, Inlet & Outlet	N	1/2" FNPT Threaded Conn **(Std)**
2	Weld Ends, Inlet & Outlet	T5	1/2" Hygenic Ferrule
3	Hygenic Ferrule Inlet, Weld End Outlet	T15	1 1/2" Hygenic Ferrule
4	Weld End Inlet, Hygenic Ferrule Outlet		
X	Other, specify		

#5	Probe Length (Matching Sensor Length)
B	2.5"
C	4.5"
D	6"
E	4"
S__"	State Length in inches

#6	Wetted Surface Finish Mechanical (add E for ElectroPolish)
R32	32 Ra mech finish max
R25	25 Ra mech finish max
R20	20 Ra mech finish max
R15	15 Ra mech finish max
X	Other, Specify

Note: Add "E" for Electropolish (ex: R20E for 20 Ra mech finish max with electropolish

#6	External Surface Finish Mechanical (add E for ElectroPolish)
R32	32 Ra mech finish max
R20	20 Ra mech finish max



5R	2	L	2N	B	R20E	R32E

Small Line Sanitary Elbow Thermowell

Small lines create a hard to solve temperature challenge -- how do I get my sensor immersed far enough into the process to take an accurate measurement? And how do I keep it from acting like a plug in the line once it is there? The Answer: A small line sanitary elbow thermowell from JMS. Designed specifically for 1/2" and 3/4" line sizes JMS's small line sanitary elbow thermowell solves this problem by incorporating process tube outlet and inlet dimensions that are trunked down from a larger body housing the thermowell. The thermowell tip can be configured concentric in the line or clocked eccentrically to ensure gravity drainability specific to your line slope.

#1	DESCRIPTION
5R	Small Line Sanitary Elbow Thermowell

#2	ELBOW SIZE
P	1/2" Elbow
O	3/4" Elbow

#3	Inlet / Outlet Orientation
C	Concentric
3	Eccentric at 3 o'clock position
6	Eccentric at 6 o'clock position
9	Eccentric at 6 o'clock position
N	Eccentric at Noon Position
X	Other, specify

#4	Material
L	316L Stainless Steel (Standard -- ASME BPE Chemical Composition Compliant)
D	Hastelloy C-22
Q	Hastelloy C-276
R	AL6XN
X	Other, specify

#5	Probe Length (Matching Sensor Length)
B	2.5"
C	4.5"
D	6"
E	4"
S__"	State Length in inches

#6	Wetted Surface Finish Mechanical (add E for ElectroPolish)
R32	32 Ra mech finish max
R25	25 Ra mech finish max
R20	20 Ra mech finish max
R15	15 Ra mech finish max
X	Other, Specify

Note: Add "E" for Electropolish (ex: R20E for 20 Ra mech finish max with electropolish

#6	External Surface Finish Mechanical (add E for ElectroPolish)
R32	32 Ra mech finish max
R20	20 Ra mech finish max

5R	P	C	L	B	R20E	R32E