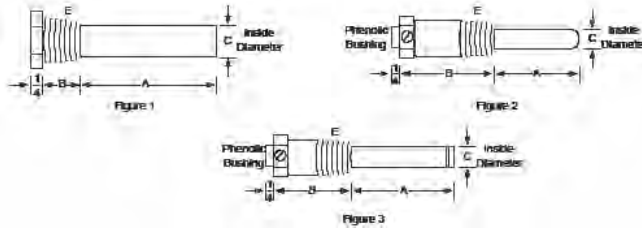


JOHNSON CONTROLS - Bulb Wells

Selection Chart (WEL Series Bulb Wells)



DESCRIPTION

Bulb Wells are used in conjunction with Remote Bulb Temperature Controls where bulb insertion into a vessel or container to sense temperature is required. WZ Series wells are used with TE-6000 and TE-6300 sensors. A variety of shapes, sizes, and materials are available for a wide range of applications. Refer to the appropriate temperature control for the exact bulb well required. The Code No. FTG13A-600R packing nut assembly is used in applications where the temperature does not fall below -35°F (-37°C). The maximum liquid pressure limit is 150 psig (1034 kPa). Use with Style 1, 3/8" diameter bulb for direct immersion application. A19 require models with support tube, A70 and A72 do not need support tubes.

PART NO	See Figure	Dimension			Material Connector	Max. Temp °F	Material Tube	Max. Pressure PSIG	Pipe Thread		Plating	Note	See Figure	Type of Solder Joint
		A (in)	B (in)	C (in)					Inside D (in)	Outside E (in)				
WEL11A-601R	2	2-3/8	2-5/16	.299	Brass	250	Copper	300	--	1/2	--	1	2	Soft
WZ-1000-2	1	5-1/4	1-1/4	.500	Stainless steel	300	Stainless steel	400	1/2	1/2	--	3	1	--
WZ-1000-4	1	5-1/4	1-1/4	.500	Stainless steel	600	Stainless steel	400	1/2	1/2	--	--	1	--
WZ-1000-5	2	2-3/8	2-5/16	.299	Malleable	250	Brass	300	--	1/2	--	3	2	--
WEL14A-600R (a)	3	4-3/4	1-13/16	.444	Monel	700	Monel	1000	--	1/2	--	2	3	TIG weld
WEL14A-601R (a)	3	7-9/16	1-13/16	.430	Brass	250	Copper	300	--	1/2	Brite-Dip	2	3	Silver
WEL14A-602R (a)	3	4-15/16	1-13/16	.430	Brass	250	Copper	300	--	1/2	Brite-Dip	2	3	Silver
WEL14A-603R (a)	3	5 13/16	1 13/16	.430	Brass	250	Copper	300	--	1/2	Brite-Dip	2	3	Silver
WEL16A-600R	2	2-3/8	1-5/16	.299	Brass	250	Copper	300	--	1/2	--	1	2	Soft
WEL16A-601R	2	2-13/16	1-13/16	.375	Brass	250	Copper	300	--	1/2	--	2	2	Soft
WEL17A-600R(b)	1	10-7/16	3/4	.763	Malleable	250	Copper	250	1/2	3/4	Tin	--	1	Silver
WEL17A-601R(b)	1	8-11/16	3/4	.763	Malleable	250	Copper	250	1/2	3/4	Tin	--	1	Silver
WEL17A-602R(b)	1	10-7/16	3/4	.753	Malleable	250	Steel	540	1/2	3/4	Tin	--	1	Silver
WEL17A-603R(b)	1	10-7/16	3/4	.753	Monel	700	Monel	1000	1/2	3/4	--	--	1	TIG weld
WEL17A-604R(b)	1	14-13/32	3/4	.763	Malleable	250	Copper	250	1/2	3/4	Tin	--	1	Silver
WEL17A-606R(b)	1	8-11/16	1-3/32	.755	Monel	700	Monel	1000	1/2	3/4	--	--	1	TIG weld
WEL18A-600R(b)	1	3-1/2	3/4	.773	Malleable	250	Steel	150	1/2	3/4	Tin	--	1	Silver
WEL18A-601R (b)	1	3-1/2	3/4	.773	Monel	700	Monel	1000	1/2	3/4	--	--	1	TIG weld
WEL18A-602R(b)	1	3-1/2	3/4	.773	Malleable	250	Brass	150	1/2	3/4	Tin	--	1	Silver

(a) For 3/8" style 1 bulbs

(b) For 11/16" diameter style 4 bulbs.

Style 1 can be used, but is not fastened into well.

NOTE 1: With phenolic bushing; 0.093" slot

NOTE 2: With phenolic bushing; 0.125" slot

NOTE 3: Includes thermal compound

Selection Chart (T-800 Wells)

PART NO	DESCRIPTION
T-800-1605	Brass well, 6-1/2 inch
T-800-1606	Stainless steel well, 5-1/4 inch
T-800-1618	Brass well, 9-1/2 inch
T-800-1620	Brass well, 9-1/2 inch
T-800-1624	Dual brass well, 6-1/2 inch