

IMMERSION WELLS AND PACKING NUT $\frac{1}{2}$ " and $\frac{3}{4}$ " NPT Sizes for Hydronic Element Insertion**FEATURES**

- Wells are used where it is desired that the control operates from the temperature of a liquid in a closed system.
- The bulb of the control can be removed from an immersion well in the tank wall without draining the boiler tank.
- The packing nut can be used with any of the remote bulb types listed.
- Packing nuts permit closer control than wells because the bulb is directly immersed in the liquid.

SPECIFICATIONS

Compatibility For use in liquids that are not corrosive to brass and copper. Not recommended for use above 100 psi, 250°F (120°C)

Fig. 1



Fig. 2

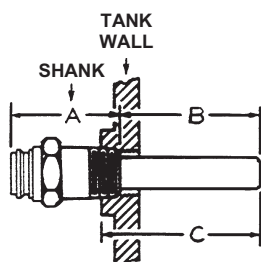


Fig. 3

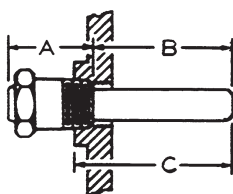
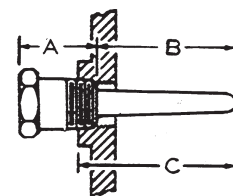


Fig. 4

**PACKING NUT**

| Model Number | Description | Figure Number |
|--------------|--|---------------|
| F55-0088 | Packing nut with $\frac{1}{2}$ " threads | 1 |

UNIVERSALLY INTERCHANGEABLE WELLS

| Model Number | Basic Types Well Is Used With | Bulb Size of Control Used | Well Description | | Figure Number | Dimensions | | |
|--------------|-------------------------------|----------------------------------|------------------|----------------|---------------|--------------------|----|-------------------|
| | | | Pipe Size NPT | Shank | | A | B | C |
| F89-0211 | All | $3\frac{1}{2}$ x $\frac{3}{8}$ " | $\frac{1}{2}$ " | Standard | 2 | $1\frac{13}{16}$ " | 3" | $3\frac{5}{16}$ " |
| F89-0212 | All | $3\frac{1}{2}$ x $\frac{3}{8}$ " | $\frac{1}{2}$ " | Std. Extended | 2 | $3\frac{5}{16}$ " | 3" | $3\frac{5}{16}$ " |
| F89-0213 | All | $3\frac{1}{2}$ x $\frac{3}{8}$ " | $\frac{3}{4}$ " | Standard | 2 | $1\frac{13}{16}$ " | 3" | $3\frac{5}{16}$ " |
| F89-0214 | All | $3\frac{1}{2}$ x $\frac{3}{8}$ " | $\frac{3}{4}$ " | Std. Extended | 2 | $3\frac{5}{16}$ " | 3" | $3\frac{5}{16}$ " |
| F89-0215 | All | $3\frac{1}{2}$ x $\frac{3}{8}$ " | $\frac{3}{4}$ " | Extra Extended | 2 | $4\frac{13}{16}$ " | 3" | $3\frac{5}{16}$ " |

UNIVERSALLY INTERCHANGEABLE WELLS

| Model Number | Basic Types Well Is Used With | Bulb Size of Control Used | Well Description | | Figure Number | Dimensions | | |
|--------------|-------------------------------|---|------------------|----------|---------------|------------------|--------------------|-------------------|
| | | | Pipe Size NPT | Shank | | A | B | C |
| F89-0007 | 230, 241, 2A38 | $7\frac{1}{4}$ x $\frac{3}{8}$ " and $6\frac{3}{4}$ x $\frac{3}{8}$ " | $\frac{1}{2}$ " | Standard | 3 | $1\frac{5}{8}$ " | $8\frac{1}{4}$ " | $8\frac{9}{16}$ " |
| F89-0027 | 1609, 1629, 2A23 | $5\frac{3}{4}$ x $\frac{3}{8}$ " | $\frac{1}{2}$ " | Standard | 3 | $1\frac{5}{8}$ " | 6" | $6\frac{5}{16}$ " |
| F89-0033 | 11B06, 11B37, 11B2 | $3\frac{1}{2}$ x $\frac{7}{16}$ " | $\frac{3}{4}$ " | Standard | 3 | $1\frac{5}{8}$ " | $2\frac{13}{16}$ " | $3\frac{1}{8}$ " |
| F89-0036 | 11B06, 11B37, 11B2 | $3\frac{1}{2}$ x $\frac{7}{16}$ " | $\frac{1}{2}$ " | Standard | 3 | $1\frac{5}{8}$ " | $2\frac{13}{16}$ " | $3\frac{1}{8}$ " |
| F89-0148 | All | $2\frac{15}{16}$ x $\frac{7}{16}$ " | $\frac{1}{2}$ " | Standard | 3 | $1\frac{5}{8}$ " | $2\frac{13}{16}$ " | $3\frac{1}{2}$ " |

UNIVERSALLY INTERCHANGEABLE WELLS

| Model Number | Basic Types Well Is Used With | Bulb Size of Control Used | Well Description | | Figure Number | Dimensions | | |
|--------------|-------------------------------|---------------------------|------------------|----------|---------------|------------------|--------------------|------------------|
| | | | Pipe Size NPT | Shank | | A | B | C |
| F89-0062 | 11B18, 11B05, 11B55, 1131 | — | $\frac{1}{2}$ " | Standard | 4 | $1\frac{5}{8}$ " | $2\frac{13}{16}$ " | $3\frac{1}{8}$ " |
| F89-0063 | 11B18, 11B05, 11B55, 1131 | — | $\frac{3}{4}$ " | Standard | 4 | $1\frac{5}{8}$ " | $2\frac{13}{16}$ " | $3\frac{1}{8}$ " |
| F89-0075 | 11B18, 11B05, 11B55, 1131 | — | $\frac{1}{2}$ " | Standard | 4 | $1\frac{5}{8}$ " | $2\frac{13}{16}$ " | $3\frac{1}{8}$ " |