

## Expandable Polystyrene Beads

| Polystyrene - Expandable Polystyrene Beads |                     |                          |           |                       |         |           |          |                                |          |          |              |      |               |             |
|--------------------------------------------|---------------------|--------------------------|-----------|-----------------------|---------|-----------|----------|--------------------------------|----------|----------|--------------|------|---------------|-------------|
| Valve Number                               | Valve Description   | Design Temperature Range |           | Design Pressure Range |         | Pipe Size |          | Recommended Valve <sup>1</sup> |          |          |              |      |               |             |
|                                            |                     | deg F                    | deg C     | psig                  | bar g   | in        | dn       | C-Series                       | T-Series | G-Series | ISOLATOR 2.0 | iRVP | Watson Series | FlexStream® |
| 1                                          | Styrene Monomer     | 150                      | 66        | 100                   | 7       | 2 – 4     | 50 – 100 |                                |          |          | •            |      |               |             |
| 2                                          | Expansion Agent     | 150                      | 66        | 100                   | 7       | 2 – 4     | 50 – 100 |                                |          |          | •            |      |               |             |
| 3                                          | Additives           | 150                      | 66        | 100                   | 7       | 2 – 4     | 50 – 100 |                                |          |          | •            |      |               |             |
| 4                                          | Cooling Water       | 150                      | 66        | 100                   | 7       | 1 – 3     | 25 – 75  |                                |          | •        |              |      |               |             |
| 5                                          | Reactor             | 150 – 300                | 66 – 149  | 150 – 300             | 10 – 21 | 2 – 8     | 50 – 200 |                                |          |          | •            |      |               |             |
| 6                                          | Filter              | 150 – 300                | 66 – 149  | 150 – 300             | 10 – 21 | 2 – 8     | 50 – 200 |                                |          |          | •            |      |               |             |
| 7                                          | Devolatilizer       | 150 – 300                | 66 – 149  | 150 – 300             | 10 – 21 | 2 – 8     | 50 – 200 |                                |          |          | •            |      |               |             |
|                                            | Heat Exchanger      | 300 – 1000               | 149 – 538 | 200 – 600             | 14 – 41 | 1/2 – 2   | 15 – 50  |                                |          |          |              | •    |               |             |
|                                            | General Ball Valves | 600 – 700                | 316 – 371 | 100 – 600             | 7 – 41  | 1 – 3     | 25 – 75  |                                |          | •        |              |      |               |             |

<sup>1</sup> Recommend ISOLATOR 2.0 or T-Series if size, pressure and temperature conditions are met.

