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## FLANGE-CONNECTION HEATING BALL VALVE

### MAIN PARTS MATERIALS

| No. | Accessory name | Material                    |          |
|-----|----------------|-----------------------------|----------|
|     |                | GB                          | ASTM     |
| 1   | Jacket         | 25                          | A105     |
| 2   | Seat           | WCB                         | A216-WCB |
| 3   | Body           | 25                          | A105     |
| 4   | Sealing Ring   | PTFE、Counterpoint polyphony |          |
| 5   | Ball           |                             |          |
| 6   | Stem           | 1Cr13                       | A247-410 |
| 7   | Stuffing       | Graphite                    |          |
| 8   | Gland          | WCB                         | A216-WCB |

Notes: Main parts of the valve series and materials of sealing surface differ according to actual working condition and customer's special requirements.

### TECHNICAL SPECIFICATIONS

|                   |  |            |
|-------------------|--|------------|
| Design Standard   | ASME B 16.34                                   | GB/T 12224 |
| Structural length | ASME B 16.10                                   | GB/T 12221 |
| Connecting flange | ASME B 16.5、JB/T 79                            |            |
| Driving manner    | Manual, Motor driving, Pneumatic               |            |
| Test & Inspection | JB/T9092 API 598                               |            |
| Applicable medium | Heavy oil, glue and other easy-clotting medium |            |

Notes: The sizes of serial valve connecting flange can be designed according to customer's requirements.

### MAIN TYPE AND CONNECTION DIMENSIONS

| Nominal diameter |  | d   | L   | D    |        | E    | Q   | H   | W    | Pipe thread<br>P |
|------------------|--|-----|-----|------|--------|------|-----|-----|------|------------------|
| (mm)             | (in)   |     |     | (mm) | (in)   |      |     |     |      |                  |
| 20               | 3/4"   | 19  | 117 | 40   | 1 1/2" | 58.5 | 147 | 101 | 170  | G 3/4"           |
| 25               | 1"   | 25  | 127 | 50   | 2"     | 62.5 | 156 | 106 | 170  | G3/4"            |
| 40               | 1 1/2"   | 38  | 165 | 65   | 2 1/2" | 63.5 | 181 | 125 | 250  | G3/4"            |
| 50               | 2"   | 51  | 178 | 80   | 3"     | 68   | 218 | 135 | 250  | G3/4"            |
| 80               | 3"   | 76  | 229 | 150  | 6"     | 82   | 275 | 193 | 350  | G3/4"            |
| 100              | 4"   | 102 | 254 | 200  | 8"     | 83   | 300 | 265 | 420  | G3/4"            |
| 150              | 6"   | 152 | 292 | 250  | 10"    | 95   | 403 | 355 | 1000 | G3/4"            |
| 200              | 8"   | 203 | 330 | 300  | 12"    | 100  | 492 | 410 | 1300 | G3/4"            |
| Remarks          | Flange dimension refer to the sample book of form of main types and connection dimensions, according to the corresponding diameter |     |     |      |        |      |     |     |      |                  |