

**HABONIM's** line of cryogenic ball valves in 3-piece design or flange design to ANSI class 150# and 300# offer tight shutoff, high flow capacity, long service life with exceptional performance under the most extreme cold working temperature conditions.

### Habonim Cryogenic Valves

Habonim Cryogenic ball valves are available in 3-piece or flanged design, reduce bore C47P/C31P/C32P series and full bore CB47P, C73P/C74P/C78P series. Other valve options include diverter valves, V-Port control valves, high cycling valves, fugitive emission valves, automated valves and more.

### Valve Features

The Habonim Cryogenic ball valves are designed specifically for cryogenic applications. All the cryogenic valves have an extended bonnet with an ISO 5211 mounting pad. The extension prevents cryogenic liquids from reaching the stem packing by enabling the liquids to boil and convert to gas. The balls have a pressure relief hole on the upstream side to prevent overpressure of the body cavity from thermal expansion. The valve is uni-directional with an arrow showing flow direction.

Other included features are:

- ▶ Straight through-flow providing minimum pressure loss and maximum flow
- ▶ Tight shutoff according to Cryogenic standards
- ▶ Quick opening for automation
- ▶ Rugged construction with precision welding of bonnet extension
- ▶ Blowout proof one-piece stem with enlarged diameter and wide stem-to-ball engagement
- ▶ Seats with specially designed profiles to allow flexible movement under very low temperatures
- ▶ Encapsulated body seals
- ▶ Spring loaded body bolts to compensate for thermal contractions of valve parts during operation
- ▶ Spring loaded stem assembly
- ▶ "V" shape PTFE stem packing with 5 seals to reduce stem leakage
- ▶ Cryogenic valves have a white sleeved handle

