General description
The 21000-EB series cryogenic valve meets the requirements of cryogenic processes requiring thermal insulation. An insulating interface sets up between the valve body (cold zone) and the bonnet extension end located in the higher temperature area (warm zone). The valve body assembly and its thermal extension are positioned inside a "cold box"

The Masoneilan 21000-EB cryogenic valve model is similar to the 21000 standard model, except that an extension bonnet, (EB) (08) and a plug stem with enlarged length replace the standard bonnet and the standard plug stem (01) (see figure).

All information regarding disassembly, main seat grinding, reassembly and adjustment described in instruction Manual GEA19821, are applicable, except that the "cold box" must be opened prior to perform maintenance of the valve body subassembly.

Piping end connections
The body of the 21000-EB cryogenic valve must be flanged or butt welded on the line. The maximum allowable pressure is stamped on the serial plate fixed on the yoke of actuator.

Service condition limitation
Flow temperature: -200°C to ambient temperature.

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