

## GLASS INSTRUMENT HOUSINGS

Benthos VacuSealed® glass spheres are the best choice for your deep sea electronic instrument housing needs. These housings are carefully inspected and selected glass hemispheres that are precisely matched to form the most perfect sphere possible. After pressure testing, holes are drilled into the glass wall and penetrators or other accessories are installed, then the sphere is tested again. You can depend on Benthos instrument housings to give you years of reliable service.

### ELECTRICAL PENETRATORS

Single pin electrical penetrators are available in neoprene (Model 2045-78) or polyurethane (Model 2045-80). Each has a 1.8 m (6 foot) lead of #18 gauge stranded copper wire with neoprene insulation. Penetrators are tested to 6700 meters with a current rating of 14 amps and resistance leakage a minimum of 100 megohms at 1000 VDC at pressure.

### PRESSURE FEEDTHROUGHS

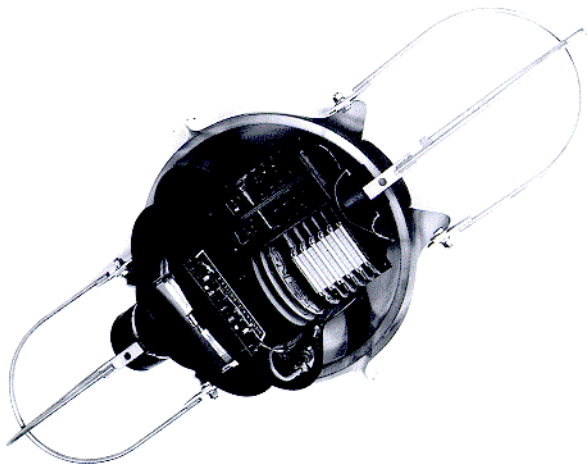
A pressure feedthrough penetrator (Model 204-PFT-3/8) is used to bring water pressure to a sensor inside the sphere. It is constructed of titanium and is provided with .3 cm (1/8") swagelock fittings and tube.

### VACUUM PORTS

A titanium vacuum port (Model 204-PFT) can be installed in a glass instrument housing to facilitate opening and closing the sphere. The vacuum port option is recommended for any housing that will be opened frequently.



Vacuum Port



### Instrument Housings

|       | Model 2040-10H   | Model 2040-13H | Model 2040-17H   |
|-------|------------------|----------------|------------------|
| Size: | 25.4 cm (10 in.) | 33 cm (13")    | 43.2 cm (17 in.) |



Optional Penetrators