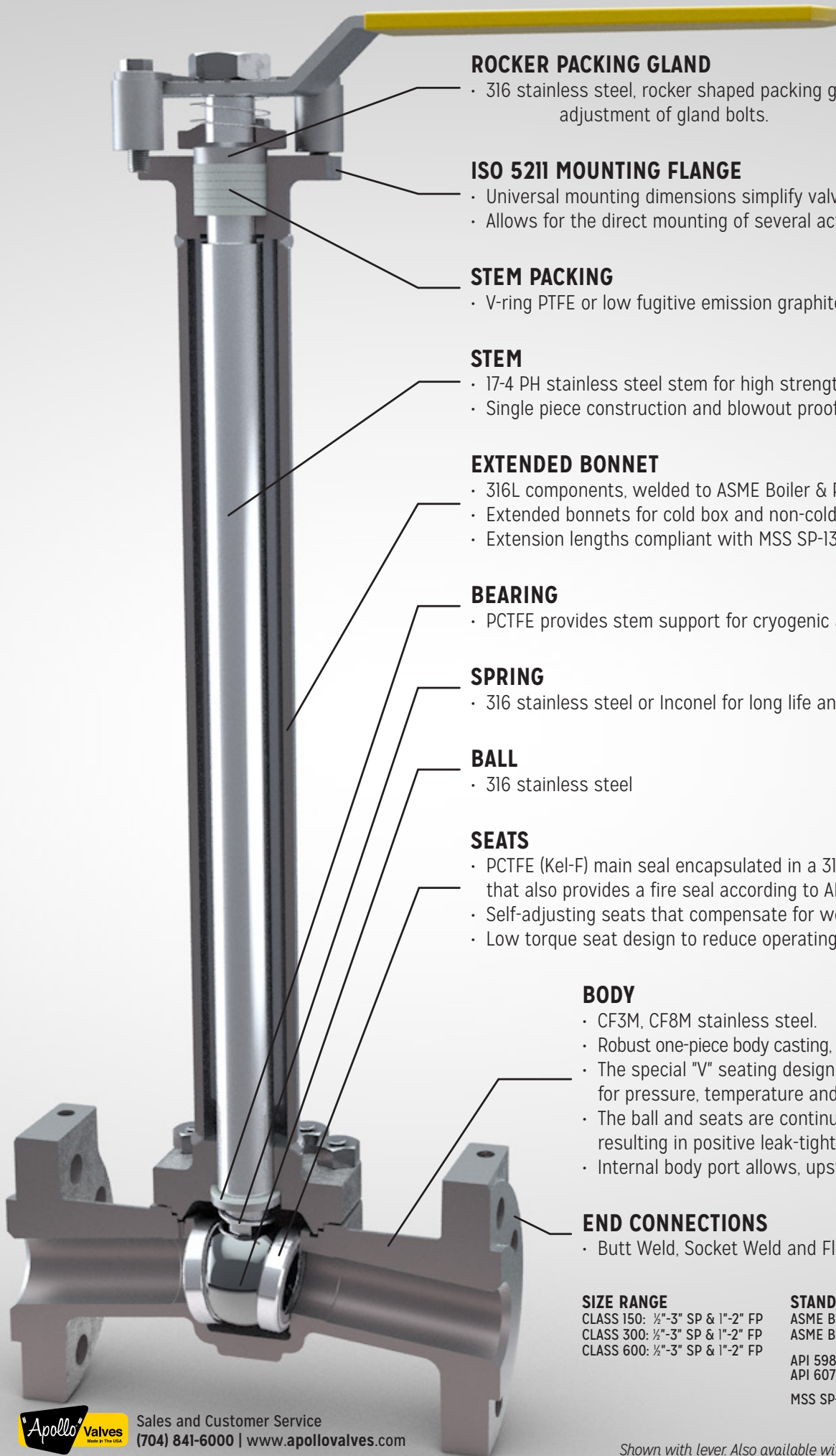


*Apollo*

LNG cryogenic

**TOP ENTRY VALVE**



### ROCKER PACKING GLAND

- 316 stainless steel, rocker shaped packing gland compensates for uneven adjustment of gland bolts.

### ISO 5211 MOUNTING FLANGE

- Universal mounting dimensions simplify valve actuation.
- Allows for the direct mounting of several actuators.

### STEM PACKING

- V-ring PTFE or low fugitive emission graphite packing provides positive sealing.

### STEM

- 17-4 PH stainless steel stem for high strength and corrosion resistance.
- Single piece construction and blowout proof design.

### EXTENDED BONNET

- 316L components, welded to ASME Boiler & Pressure Vessel Code.
- Extended bonnets for cold box and non-cold box applications.
- Extension lengths compliant with MSS SP-134 and BS-6364 standards.

### BEARING

- PCTFE provides stem support for cryogenic applications.

### SPRING

- 316 stainless steel or Inconel for long life and corrosion resistance.

### BALL

- 316 stainless steel

### SEATS

- PCTFE (Kel-F) main seal encapsulated in a 316 stainless steel ring for support that also provides a fire seal according to API 607.
- Self-adjusting seats that compensate for wear and temperature fluctuations.
- Low torque seat design to reduce operating torque with PCTFE seat material.

### BODY

- CF3M, CF8M stainless steel.
- Robust one-piece body casting, provides minimal potential leak paths
- The special "V" seating design provides automatic compensation for pressure, temperature and wear.
- The ball and seats are continuously snugged down into the "V" resulting in positive leak-tight shutoff.
- Internal body port allows, upstream cavity pressure relief.

### END CONNECTIONS

- Butt Weld, Socket Weld and Flanged end connections

### SIZE RANGE

CLASS 150: ½"-3" SP & 1"-2" FP  
CLASS 300: ½"-3" SP & 1"-2" FP  
CLASS 600: ½"-3" SP & 1"-2" FP

### STANDARDS COMPLIANCE

ASME B16.34	Valves - Flanged, Threaded and Welding End
ASME B16.10	Face to Face and End to End Dimensions of Valves (except full port valves)
API 598	Valve Inspection and Testing
API 607	Fire Test for Soft Seated Valves (depending on seat and seal selection)
MSS SP-25	Standard Marking System for Valves