

**ES8450 Series Extended Stem Valves
BK9450 & BK9470 Series Extended Bonnet Valves**

Application

For use as a trycock valve or hose drain valve on cryogenic tanks, or as a use, liquid fill, or vent valve on mini-bulk cryogenic tanks. These valves can be used also for other cold gas applications requiring extended stem valves as LNG fueling.

Features

- Union bonnet.
- One piece stainless steel stem
- Conical seat design.
- Maximum working pressure is 600 psig. (41.3 Bar)
- Working temperature is -320°F to +165°F.
- Cleaned for oxygen service per CGA G-4.1.
- 100% Factory Tested

TES8450 Series specific feature:

- Graphoil® packing
- Approved by PED and TPED

ES8450 Series specific feature:

- Manual torque compression packing.

BK9450 and BK9470 Series specific feature:

- Extended bonnet and spring loaded packing.

BK9470 Series specific feature:

- 304 St. Stl Tube brazed into one or both ends.

Materials

Body and Bonnet..... Brass
 Stem Stainless Steel
 Seat Disc CTFE
 Handwheel..... Aluminum
 Packing and Bonnet Gasket..... PTFE

Conversion Kit

BK 9450-KIT is a bonnet and stem assembly kit to convert ES 8450 Series and previous ES 9450 Series to the BK 9450 style.

Ordering Information

Part Number	Inlet/Outlet Connections	Height "A"	Body Width "B"	Width with Tube "C"	C _v
ES8452	1/4" FNPT	4"	2.5"		0.70
ES8453	3/8" FNPT	4"			1.10
ES8454	1/2" FNPT	4"			1.10
BK9452	1/4" FNPT	6.5"			0.70
BK9453	3/8" FNPT	6.5"			1.10
BK9454	1/2" FNPT	6.5"			1.10
BK9453FA	5/8" OD tubing x 3/8" FNPT	6.5"			4.0"
BK9475A	5/8" OD tubing both ends	6.5"	5.5"	1.10	

