

# Storm Choke™ H Safety Valve

## TUBING-PRESSURE (AMBIENT) SUBSURFACE-CONTROLLED WIRELINE-RETRIEVABLE SAFETY VALVES

### OVERVIEW

Storm Choke™ H safety valves are ambient-type, wireline-retrievable valves that are normally closed and pre-charged with a set dome pressure. When the well flowing pressure drops below the predetermined dome-pressure charge, as a result of a rupture in the flowline or surface equipment, the dome pressure and valve spring are designed to close the valve, shutting in the well.

The H valve is used in wells producing large volumes of abrasive fluids. Its large bore is not restricted by a flow bean. The valve is designed to resist pressure surges. A metal-to-metal ball and seat is used as the primary closure mechanism.

The H valve is ideal for protecting wells with declining bottomhole pressure because this valve is tubing-pressure sensitive instead of velocity sensitive. To reopen, the valve pressure must be fully equalized either by applying pressure in the tubing from the surface or by running a prong to allow equalization from below. The valve will reopen when the tubing pressure acting on the internal piston area overcomes the dome charge.

### APPLICATIONS

- » Wells producing large volumes of abrasive fluids
- » Wells with declining bottomhole pressure
- » Wells with no provisions for surface-controlled valves

### FEATURES

- » Large bore not restricted by a flow bean
- » Metal-to-metal ball and seat
- » Designed to resist pressure surges

### BENEFITS

- » Closes as flowing conditions change
- » Ball closure cleans itself of debris
- » Can be used in severe environment wells
- » Installed and retrieved under pressure using wireline methods
- » Adaptable to any Halliburton lock mandrel
- » Designed to locate in any Halliburton landing nipple
- » Straight-through flow path
- » Can be located on large bore intervention packers



HCT1882-003

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## Ambient Safety Valves (Ball-Type Closure)

Nominal Size in. (mm)	Compatible Lock Mandrel	OD in. (mm)	ID in. (mm)	Top Thread (Box)
2 (50.80)	1.875 S	1.750 (44.45)	0.750 (19.05)	1 3/16-14 UNS
	1.875 X <sup>®</sup>	1.750 (44.45)	0.750 (19.05)	1 3/8-14 UNS
2 1/2 (63.50)	2.313 S	2.120 (53.85)	1.000 (25.40)	1 3/16-12 UN
	2.313 X <sup>®</sup>	2.140 (54.36)	1.000 (25.40)	1 3/4-12 UN
3 1/2 (88.90)	2.750 S	2.730 (69.34)	1.500 (38.10)	2-12 UN
4 1/2 (114.30)	3.813 S	3.720 (94.49)	2.000 (50.80)	2 7/8-12 UN
	3.813 X <sup>®</sup>	3.720 (94.49)	2.000 (50.80)	3 1/16-12 SLB

**Ordering Information**

**Specify:** nipple bore and lock profile, service (standard, %H<sub>2</sub>S, %CO<sub>2</sub>, amines), pressure and temperature requirements, flowing pressure at closing rate, necessity of API monogramming or other certification requirements.

**Part Number Prefixes:** 22HO, HOS, HOX: ball-closure

For more information, contact your local Halliburton representative or visit us on the web at [www.halliburton.com](http://www.halliburton.com)

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