

## COMPLETION SOLUTIONS | SUBSURFACE SAFETY VALVES

# Storm Choke™ H safety valve

Tubing-pressure (ambient) subsurface-controlled wireline-retrievable safety valves

## 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

## 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.



HCT1882-003

Storm Choke™ H safety valve

## 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®	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®	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®	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)

Sales of Halliburton products and services will be in accord solely with the terms and conditions contained in the contract between Halliburton and the customer that is applicable to the sale.

H014120 05/24 ©2024 Halliburton. All Rights Reserved.