

DTI Extreme Temperature Safety Valve (ETSV)

The DTI Extreme Temperature Safety Valve (ETSV) is designed for a wide range of extreme conditions from CCUS, right up to Steam flood and Geothermal. The DTI ETSV is the highest temperature rated safety valve on the market and is fully metallic and uses DTI proprietary dynamic M2M seal for rod piston control.

Description	7.00" ET Safety Valve
Part Number	SP-ETSV973CC7038
Dimensional Data	
Maximum Body OD	9.721" or 10.625" for ESP Cable bypass
Min ID	5.450"
Flow Area	
Top Connection	7" 38# Tenaris Hydril Blue BOX
Body Length**	91.9"
Bottom Connection	7" 38# Tenaris Hydril Blue pin
Performance Data	
Body Pressure Rating	5,000 psi
Min / Max Temperature	-80 C up to 343C (600F)
Tensile Rating	678,000 lbs
Compression Rating	271,000 lbs
Torque Rating	16,700 ft. lbs
Pressure Equalizing	None
Conveyance Method	Tubing
Operational Data	
Setting Depth	300-1000 ft
Hold Open Control Pressure*	3,000 psi – 7,500 psi
Qualification	
Design Validation Grade	API 14A V3
Material Specifications	
Service	Steam Injection/Production, Geothermal, CCUS, Hydrogen
Body Material	Inconel 718
Critical Seals	M2M
O-Rings	NONE

Associated Equipment		
Function	Part No.	Description
Test Caps	TBC	7.0" Hydril Test Caps
Technical Manual	SP-ETSV973CC7038	

*Control Pressures may be changed on request.

** Makeup length will vary dependant on end connections and straddle length specified and if optional equipment is required.

We offer optional equipment, alternative sizes, materials and thread connections. **Please contact us for more information.**

