

H-TV-600 Series

HEAVY DUTY GRADE 1-1/8" INTERNAL SOLENOID TANK

Key Features

IMPCO has applied its patented GFI 2" in-tank solenoid technology into a new 1-1/8" Heavy Duty H-TV-600 Series. All this performance along with the safety and reliability of having the solenoid inside the tank to protect it from impact and environmental conditions to ensure a longer life.

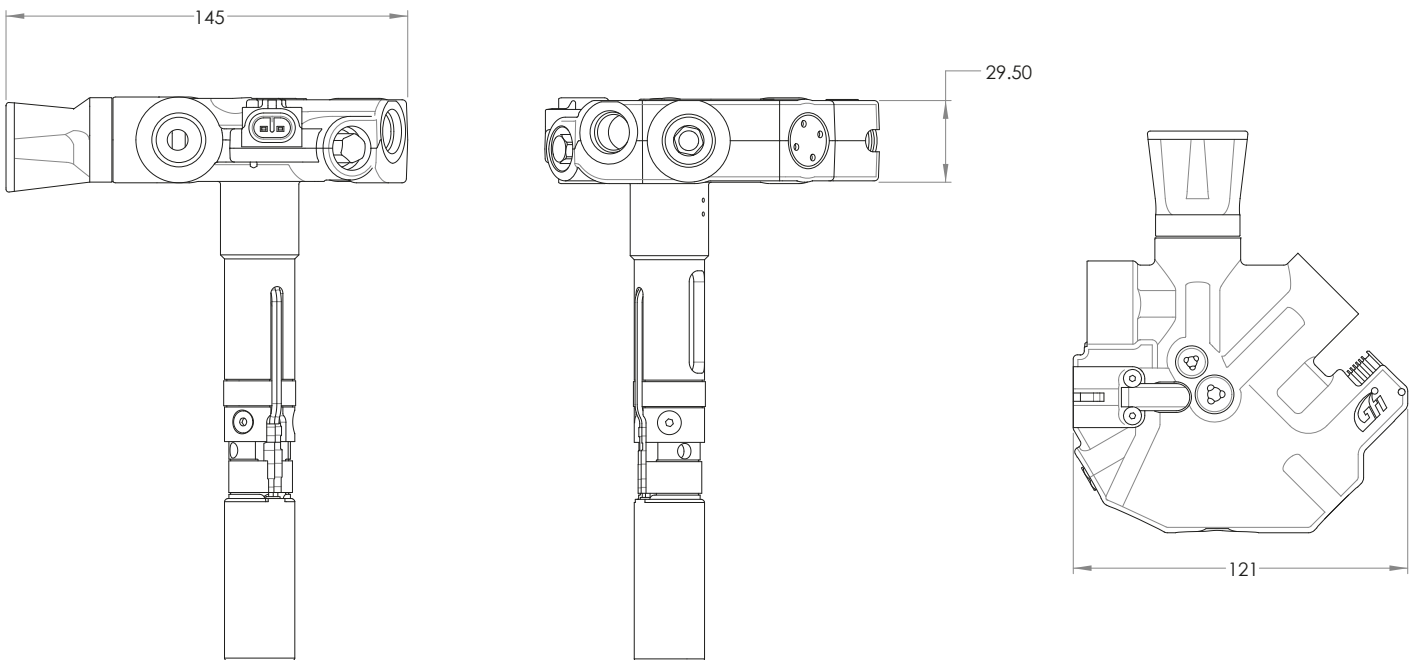
- The solenoid coil is located inside the cylinder, providing impact and environmental protection.
- High Flow Pilot temperature activated pressure relief device (T-PRD).
- Cadmium free eutectic or glass bulb available models.
- Parallel P-PRD (burst disk) option available.
- Dedicated defueling port option available.
- 12V and 24V solenoid coil options available (with saturation or peak and hold control).
- Constructed from light weight forged aluminium.
- Specifically designed for 350 Bar Hydrogen.
- Patented crashworthy design.
- Suitable for all cylinder types.
- Pressure sensor port available.



SPECIFICATIONS

TV-600-H Series			
GENERAL INFORMATION			
APPLICATION	Hydrogen Tank Valve		
DESIGN	Automatic, Internal Solenoid		
BODY MATERIAL	Forged Aluminum		
FUEL TYPE	Compressed Hydrogen (H35)		
PERFORMANCE			
FLOW RATE (CV)	0.9		
MAX WORKING PRESSURE	43.7 MPa (6,340 psig)		
WORKING TEMPERATURE	-40°C to 85°C (-40°F to 185°F)		
T-PRD	Design	Eutectic (Cadmium Free)	Glass Bulb
	Activation Temp	109 +/-1.5°C (228°F)	110 +/-10°C (230°F)
	Venting performance	Minimum area equivalent to 8 mm orifice	
BURST DISK (OPTION)	Available*		
EXCESS FLOW DEVICE (EFD)	No		
SOLENOID	Voltage	12 V	24 V
	Power Consumption	7.5 W	
	Control	Saturated or PWM	
LEAKAGE	<10 ⁻⁴ mBar l/s Helium, external (<10 ⁻³ mBar l/s Helium, internal)		
CONNECTIONS			
CYLINDER CONNECTION	1 - 1/8" UNF		
OUTLET THREAD TYPE	9/16" - 18 UNF, M12x1, M14x1		
VENT THREAD TYPE	9/16" - 18 UNF		
ELECTRICAL CONNECTOR	AMP Super Seal (2 Pin)		
LIVE PORT - REMOTE PRD/DEFUELING	Available**		

*All models
**Select models



ISO/TS 16949:2009 registered¹
ISO 9001:2008 registered²
ISO 14001:2004 registered³

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