

# H-TV-600 Series

## HEAVY DUTY GRADE 1-1/8" INTERNAL SOLENOID TANK 大流量1-1/8" 内置电磁阀式瓶口阀

### Key Features

GFI 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

### 主要特性

GFI根据自己的GFI 2" 气瓶内嵌电磁阀专利技术，新设计了一款1-1/8" 的大流量 H-TV600系列氢气瓶口阀，内嵌电磁阀技术可以保护瓶阀不受外界干扰，从而使用寿命更长。

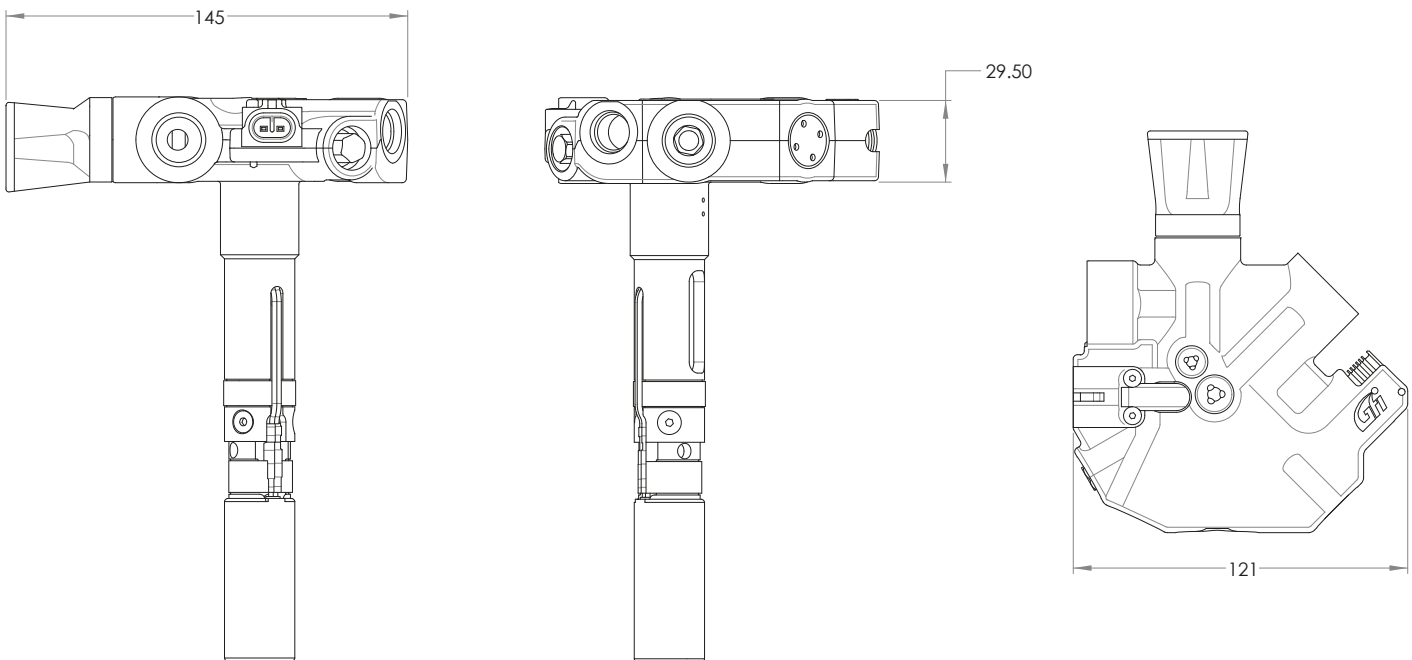
- 电磁阀线圈为气瓶内部，有效保护来自外力和环境的影响；
- 大流量温度型压力释放阀；
- 非镉易熔金属或者温控玻璃管；
- 支持压力型压力释放阀；
- 可选装放气孔；
- 有12V和24V电磁线圈可以选择，支持饱和电流或者拉升保持驱动；
- 轻量化铝制机体；
- 专门为350bar氢气设计；
- 专利耐碰撞设计；
- 支持不同类型的氢气瓶；
- 可选装压力传感器。



# SPECIFICATIONS 技术参数

H-TV-600 Series			
<b>GENERAL INFORMATION 基本参数</b>			
APPLICATION 应用	Hydrogen Tank Valve 氢气瓶阀		
DESIGN 设计	Automatic, Internal Solenoid 自动, 嵌入式电磁阀		
BODY MATERIAL 机体材料	Forged Aluminum 锻铝		
FUEL TYPE 燃气类型	Compressed Hydrogen (H35) 压缩氢气		
<b>PERFORMANCE 性能</b>			
FLOW RATE (CV) 流量	0.9		
MAX WORKING PRESSURE 最大工作压力	43.7 MPa (6,340 psig)		
WORKING TEMPERATURE 工作温度	-40°C to 85°C (-40°F to 185°F)		
T-PRD	Design 工作原理	Eutectic (Cadmium Free) 易熔合金	
	Activation Temp 激活温度	110 +/- 5°C	
	Venting performance 泄压口面积	Up to 8 mm equivalent diameter orifice	
BURST DISK (OPTION) 爆破片 (可选)	Available* 支持		
EXCESS FLOW DEVICE (EFD) 溢流阀	No 无		
SOLENOID 电磁阀	Voltage 额定电压	12 V	24 V
	Power Consumption 额定功率	7.5 W	
	Control 控制	Saturated or PWM	
<b>CONNECTIONS 连接</b>			
CYLINDER CONNECTION 瓶口连接	1 - 1/8" UNF		
OUTLET THREAD TYPE 出口接头螺纹	9/16" - 18 UNF, M12x1, M14x1		
VENT THREAD TYPE 泄压阀规格	9/16" - 18 UNF		
ELECTRICAL CONNECTOR 接插件	AMP Super Seal (2 Pin) (2针)		
LIVE PORT - REMOTE PRD/DEFUELING 预留孔-远程 PRD/放气阀	Available** 部分型号支持		

\*All models  
\*\*Select models



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