

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。

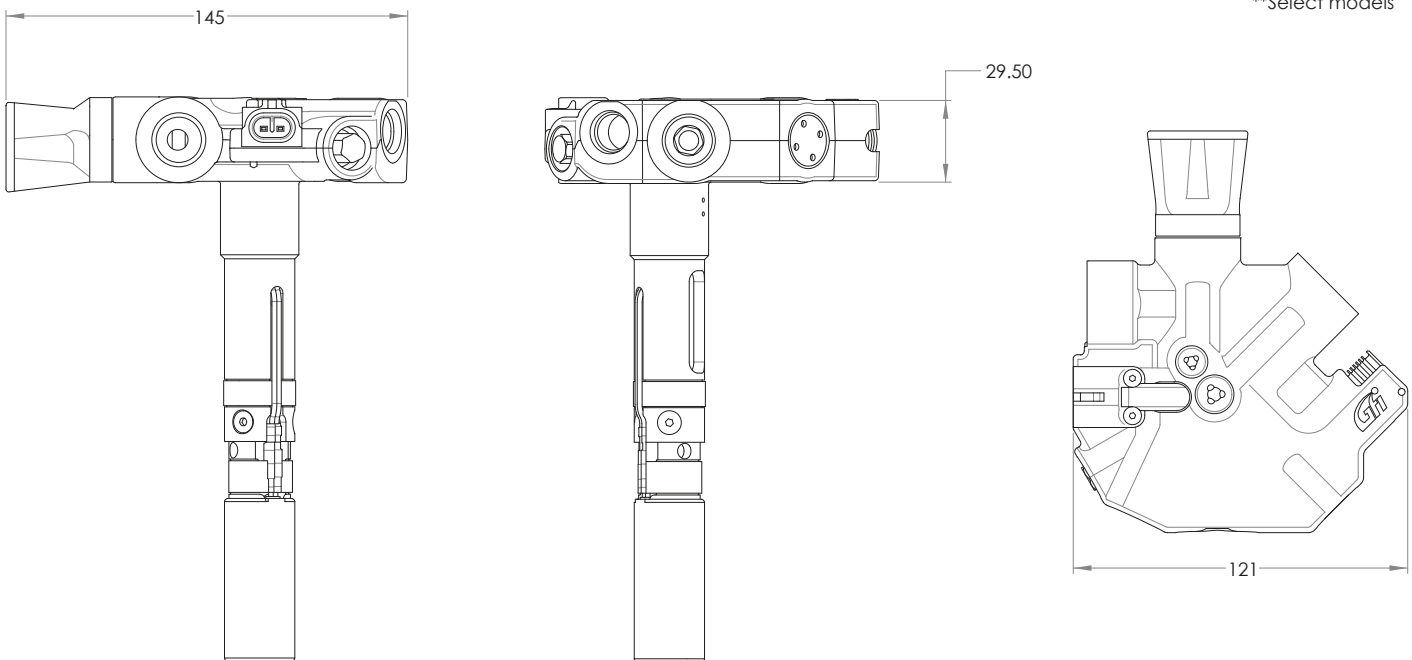
- 电磁阀线圈为气瓶内部，有效保护来自外力和环境的影响；
- 大流量温度型压力释放阀；
- 非镉易熔金属或者温控玻璃管；
- 支持压力型压力释放阀；
- 可选装放气孔；
- 有12V和24V电磁线圈可以选择，支持饱和电流或者拉升保持驱动；
- 轻量化铝制机体；
- 专门为350bar氢气设计；
- 专利耐碰撞设计；
- 支持不同类型的氢气瓶；
- 可选装压力传感器。



SPECIFICATIONS 技术参数

H-TV-600 Series			
GENERAL INFORMATION 基本参数			
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		
PERFORMANCE 性能			
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	Glass Bulb 温控玻璃管
	Activation Temp 激活温度	109 +/-1.5°C (228°F)	110 +/-10°C (230°F)
	Venting performance 泄压口面积	Minimum area equivalent to 8 mm 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	
LEAKAGE 泄漏	<10 ⁻⁴ mBar l/s Helium, external (<10 ⁻³ mBar l/s Helium, internal) 外部泄漏<10 ⁻⁴ mBar l/s, 内部泄漏<10 ⁻³ mBar l/s		
CONNECTIONS 连接			
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



ISO/TS 16949:2009 registered
ISO 9001:2008 registered