

## Safety relief valves

Internal safety relief valves **H722, H732, H832** are installed on the stationary and transportation tanks, to protect them against excessive pressure. They are commonly used for LPG or ammonia. Stainless steel construction prevents from corrosion, what enables easy servicing. Valves are available in standard settings or other made for special order.



### Standard setting pressure:

17,2 bar

18,3 bar

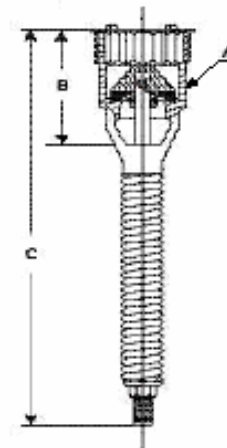
19,0 bar

### Working temperature:

-30° C to 65° C

### Connection size:

See chart 2



**Chart 1. Size**

Type of frame/body	A	B	C	D
	Connection	[mm]		
H 721	2" M.NPT	83	317	38
H 731	3" M.NPT	101	429	64

**Chart 2. Specification**

Connection	Open pressure [bar]	Air flow [m <sup>3</sup> /min]		Tank surface	Hole plug/stop per	Cat.No
		UL	ASME			
2" MNPT	17,2	99,3	89,4	16,3 m <sup>2</sup>	P297	12.001
	18,3	18,3	96,1	17,7 m <sup>2</sup>		12.002
	19,0	111	100	---		12.003
3" MNPT	17,2	257	231	51,7 m <sup>2</sup>	P298	12.005
	18,3	276	249	57,6 m <sup>2</sup>		12.006
	19,0	288	259	---		12.007

Safety relief valves **H282 and H5112** are used for LPG and ammonia service in stationary and transportation tanks. Valves made of steel can be used with both products and brass valves can only be used for LPG. When used in transportation tanks, the tank should be equipped with a guard that protects outside-of-the-tank section of the valve to avoid possibility of mechanical damage. Safety valves are designed in a way that protects from incidental change of the setting pressure, as the adjusting screw is located inside of the tank.

H280 and H5110 valves construction enables connecting pipe-away adaptors, that allows for connecting piping to the outlet of the valve and draining product from the valve to the required location.



### Standard setting pressure:

17,2 bar

19,0 bar

### Working temperature:

-30<sup>0</sup> C to 65<sup>0</sup> C)

### Chart 1 Specification

Connection	Service	Construction material	Setting pressure [bar]	Air flow [m <sup>3</sup> /min]		Cat. No
				UL	ASME	
2" MNPT	LP-Gas (propane)	Brass	17,2	304	273	12.021
			19,0	332	299	12.022
2" MNPT	Ammonia or LP-Gas (Propane)	Steel	17,2	306	---	12.023
			18,3	323	---	12.024

Fisher safety valves have standard settings. It is possible to supply valves with different settings according to customers' specification.

**Safety valves are designed to be installed on transportation tanks, and they meet requirements of the international agreement ADR, that concerns transportation of dangerous goods. Fisher safety valves, that are introduced to UE market by AUREX LPG are Π and CE-marked. They were subjected to conformity mark procedures according with UE directives PED(97/23/EC) and TPED(99/36/EC).**