

PRESSURE VACUUM RELIEF VALVE
SERIES TTS 105 & 106



**TTS 105 Series - Pressure Vacuum Relief Valve
With Integral Flame-Arrestor**



**TTS 106 Series - Pipe away Vent Type Pressure
Vacuum Relief Valve With Integral Flame-Arrestor**

INTRODUCTION

SERIES 105 – PRESSURE VACUUM RELIEF VALVE WITH INTEGRAL FLAME ARRESTOR VENTING TO ATMOSPHERE WITH WEATHERHOOD

Model 105 is highly advanced pressure and vacuum relief valve with integral flame arrester for having maximum protection and reliable operation.

High travel technology valve utilizes only 10% overpressure to reach full opening with very high flow capacity.

Inbuilt flame arresters not only provide exceptional protection against fire and explosion from external ignition, but also offer effective flow at the lowest resistance (pressure drop) of the flammable gas or vapor.

SERIES 106 – PRESSURE VACUUM RELIEF VALVE WITH INTEGRAL FLAME ARRESTOR WITH PIPE AWAY CONNECTION

Model 106 is the variant of above, having pipe away flange connection for venting/vapor recovery. It uses the same high travel technology to provide full lift at 10% over pressure with high flow capacity.

The inbuilt flame arrester provides protection from external fires, while ensuring minimum resistance (pressure drop) for flow.

Our TTS Series Flame Arrestor with Pressure & Vacuum Relief Valve are type-Approved according to ATEX Directive 94/9/EC and B.S EN ISO 16852 by SGS Baseefa UK. for gas group IIA, IIB



PRESSURE VACUUM RELIEF VALVE

SERIES TTS 105 & 106



Expertise that delivers

KEY FEATURES

- Maximum tightness and hence least possible product losses and reduced environmental pollution.
- Can be used in area subject to explosion hazards
- Easily serviceable configuration and light weight construction reduces maintenance and installation cost.
- Valve pallet is guided within the body to protect against harsh weather conditions.
- Leakage rating certified to API 2000 latest standard

TECHNICAL SPECIFICATIONS

- **VALVE SIZE** : 40NB, 50NB and 80NB
- **BODY RATING** : Class 150#
- **END CONNECTION** : ANSI Class B16.5, 150#
- **RELIEF SET PRESSURE RANGE** : 20 mmWCg to 500 mmWCg
- **VACUUM SET PRESSURE RANGE**: -20 mmWCg to -500 mmWCG
- **TEMPERATURE CAPABILITIES** : -15°C to 180°C

• ENQUIRY SPECIFICATIONS •

INLET PRESSURE	SERVICE FLUID
OUTLET PRESSURE	FLOW MIN./MAX.
LINE SIZE & RATING	MAX. TEMP.
SPECIFIC GRAVITY	BODY MOC
INTERNALS MOC	PERMISSIBLE DROOP
INSTALLATION (VERTICAL / HORIZONTAL)	

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