

SLAM SHUT OFF VALVE SERIES SH4

Nirmal ™

Expertise that delivers



INTRODUCTION

SERIES SH4 safety shut off valve shuts off the gas flow when the pressure it is monitoring rises and reaches the set point of the slam shut valve due to any failure in the pressure regulating system. The slam off device has to be re-set manually.

These valves are for use in a variety of applications: natural gas transmission & distribution systems, fuel gas supply to industrial boilers, furnaces and mixers; and commercial or industrial businesses.

These valves can be provided with under pressure shut-off feature also.

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KEY FEATURES

- **Tight shut off capability:** Special trim design eliminates wear and erosion of seating, providing excellent tight shut off capability over long working life.
- **Easy to Maintain:** Easy replacement of internal parts without dismantling the main valve body from line.
- **Manual re-setting:** Manual re-setting with the lever mechanism
- **Built in Pressure Equalisation:** On slight turning the reset lever, a small opening in valve equalizes inlet and outlet pressure. No separate by-pass
- **Local position indication:** Open/Close position indicator dial indicates slam shut device position.
- **Remote Signal devices option:** Slam shut off can be provided with remote Signal devices (like contact switches or proximity switches).

TECHNICAL SPECIFICATIONS

- **Body Size & Connections:**
- **Flanged:** 1", 1 1/2", 3", 4" & 6" ANSI B16.5 Class 150#, 300# & 600# (Higher sizes & ratings on request)
- **Available Configurations:** As per Table-2
- **Accuracy Group AG:** upto 1.0 (according to EN 14382)
- **Response Time:** Less than 1sec
- **Allowable Line Pressure:** ANSI 150# : 19 Barg max. ANSI 300# : 48 Barg max. **ANSI 600#:** 98 Barg max.
- **Maximum Flow Capacities:** Can be derived referring the capacity calculations
- **Material of Construction :**
- **Body*:** A216 Gr. WCB (Standard 150#) A352 Gr. LCB (Standard 300# & 600#), A351 CF8, A351 CF8M
- **Internal Trim Parts*:** SS316 (Standard), SS304, SS316L, SS304L, Copper, Brass *Nace & other special material available on request
- **Disc & Diaphragm:** Nitrile (Standard), Neoprene, EPDM, Silicone, PTFE, Fluoropolymer
- **Temperature Capabilities:** -20°C to 60°C (extended temperature ranges available on request)
- **Pressure Setting Adjustment:** May be adjusted throughout a spring range by turning the adjusting screw of pilot
- **Pressure Registration:** External from downstream control line

• ENQUIRY SPECIFICATIONS •

MAX. INLET PRESSURE
OUTLET PRESSURE
LINE/SIZE
SPECIFIC GRAVITY
SET PRESSURE

SERVICE FLUID
FLOW MIN./MAX.
PERMISSIBLE BUILD-UP
MAX. TEMPERATURE

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