

Sleeve & Cage Pneumatic Choke Valve

PCP Series



DESCRIPTION

The QUAM **PCP Series** is an External **Sleeve & Cage Choke Valve** complete with Single Acting Pneumatic Actuator

THE VALVE



GENERAL APPLICATION

PCP is the Choke Valve suitable for installation on Christmas Trees, Production/Water injection Manifolds with High pressure Drop applications as well as suitable for Severe Service applications

KEY FEATURES

Trim Design

Ported Cage with External Sleeve trim design is available with Equal % or Linear characteristic. The flow passing across the cage impinges on itself and so turbulence and throttling wear are dissipated in the centre of the valve and not on valve outlet. The Valve is provided with retaining sleeve

Erosion Resistant Trim

Valve Trim can be supplied in Hardened Stainless Steel or Solid Tungsten Carbide to provide the best wearing resistance

Metal To Metal Sealing

Without soft parts it is improved sealing performance with any process fluid

Position Indicator

AISI 316 SS Engraved Position Indicator available in Bean Size (1/64") scale, % opening, CV factor

No Threads in Valve Body

Trim Components are not Screwed in the Valve Body in order to facilitate disassembly

Proprietary Stem Packing Design

QUAM experience have been put in a special Stem Packing design for Smooth Operation, long life service and low emissions

Actuator Characteristics

Air (or Gas) pressure is applied only to one side of the piston. In case of emergency the actuator goes in fail close or open position

Exceed PR-2 Requirements

PCP Series Choke valves performance exceed API-6A PR-2 requirements

TECHNICAL SPECIFICATIONS

Valve Action Pneumatic open or close spring return

Operated QUAM Pneumatic Actuator

Valve Size Range API-6A From 1 13/16" through 11"
ANSI From 2" through 12"

Valve Pressure Ratings API-6A From 2.000 through 20.000 PSI
ANSI From 150 through 2500 lbs

Valve Connections Flanged, Studded, Buttweld, Hub or Customized Connections, Hummer union

Valve Operating Media Oil, Natural Gas, Water and any combination of them

Actuator Operating Media Compressed instrument air, sweet instrument gas or nitrogen, sour gas on special execution (special media compatibility, available on request)

Operating Temperatures -60 °C to +250 °C

Shut-off Class ANSI/FCI Class IV as standard
Class V & VI available on request

BENEFITS

Exceptional Flow Control

Valve Trim is designed to perform an accurate Flow Control

Customized End To End Dimensions

The possibility to customize end to end dimensions allow the users an easy replacement without pipeworks

Heavy Duty Construction

Valve is specially designed to improve reliability, Italian origin of Forging materials is the guarantee of Valve quality

Easy & Safe Maintenance

Special considerations in design are made to permit a safe disassembly of the pressure containing components

No Special Tools

PCP valves disassembly can be executed without any Special Tool, only Standard Wrenches are requested

100% ITALIAN MANUFACTURING

QUAM Valves are Engineered and Manufactured entirely in Italy

CERTIFICATIONS

API-6A (Up to PSL-4)

PED 2014-68-EU

ATEX 2014-34-EU

MACHINERY DIRECTIVE 2006/42/EC