

# Needle & Seat Manual Choke Valve

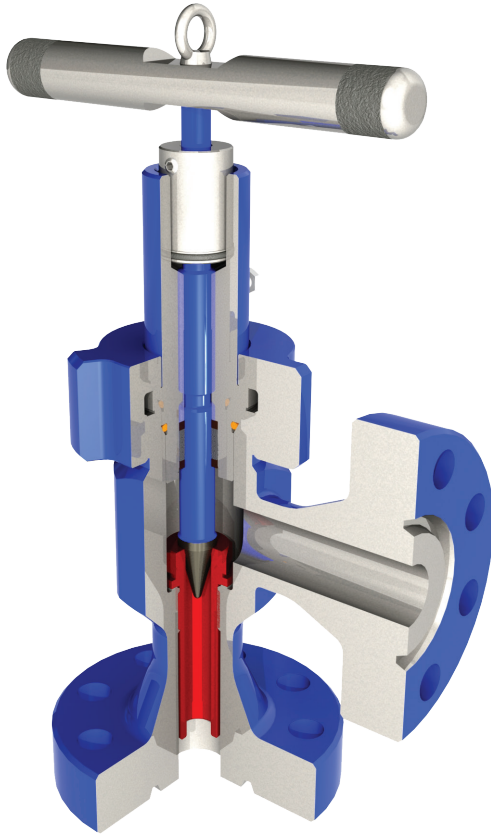
CNA Series



## DESCRIPTION

The QUAM **CNA Series** is a **Needle & Seat Manual Choke Valve** complete with lever Manual Override

## THE VALVE



## GENERAL APPLICATION

**CNA** is the Choke Valve suitable for installation on Christmas Trees, Choke & Kill or Production/Water injection Manifolds

## KEY FEATURES

### Trim Design

Equal % Trim Style. The plug has conical shape and the seat has a cylindrical hole. Regulation is obtained with a linear movement of the stem linked to the needle that stops the flow by getting inside the seat

### 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

### Locking Device

Stem Locking device provides safe valve positioning and holding the set point

### Proprietary Stem Packing Design

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

### Exceed PR-2 Requirements

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

## TECHNICAL SPECIFICATIONS

<b>Valve Action</b>	Clockwise to Reduce Flow
<b>Operated</b>	Lever Manual Override
<b>Valve Size Range</b>	API-6A From 1 13/16" through 11" ANSI From 2" through 12"
<b>Valve Pressure Ratings</b>	API-6A From 2.000 through 20.000 PSI ANSI From 150 through 2500 lbs
<b>Valve Connections</b>	Flanged, Studded, Buttweld, Hub or Customized Connections, Hummer union
<b>Operating Media</b>	Oil, Natural Gas, Water and any combination of them
<b>Operating Temperature</b>	-60° C to +250° C
<b>Shut-off Class</b>	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

CNA 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