



#### PT. UNGGUL PRAKARSA PRISMA

(Engineering Supply Company)

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#### Fujikin Carp Group Series

always leads the flow control technology





# Beyond Things







Power Unit

#### **Manual Valves**



















Diaphragm Type Mini Control Valves

#### MINUCON



#### **■**Contents

#### About MINUCON

Features P1 Specification P2 Ordering Number P4

#### Selection of MINUCON

Selection Guide P10 - 12 Detailed Order Sheet P13

#### Others / Inquiry

Other Products P 14 Reference Back Cover

High Temperature Types (Bonnet with a radiating fin)



#### MINUCON Line Up









#### Features

The High Sensitivity Diaphragm Type Actuator

Realizes outstanding control performance

#### Compact Design

Adopted the multi spring system (M3 Type)



#### Close Control Hysteresis

1.5 % or less is realized by adoption of a positioner. (Less than 0.00025 Cv Value is less than hysteresis 2 %.)

The material of Disc & Seat is SUS316+Stellite cladding, and is excellent for against abrasion.



- ◆Various
  Research /
  Experiment
  Equipment
- ◆Precise Fluid Control of Process Line
- For flow control of Calorie Meter Coolant

#### Double Seal Structure

A gland part is the double seal structure of the gland packing made from PTFE, and O - Rings made of fluorocarbon rubber.

Wide Cv Value Selection Range

Stem & Disk are made by SUS316 + Stellite cladding, excellent for against abrasion. Wide range of Cv Value available, 0.0000015 to 5.

Body made from forged Stainless steel body (SUSF316)

Please understand that a preliminary announcement may make use material, a size, etc. there be nothing by improvement of a product.

# Fine Ceramic COSMIX TM

### For Abrasive, Corrosive and Erosive Applications

**COSMIX<sup>™</sup> Fine Ceramic Ball Valves** 

Ceramic materials offer greater hardness and excellent abrasion and corrosion resistance.

Cosmix Ball Valves feature fine ceramics in all wetted parts.

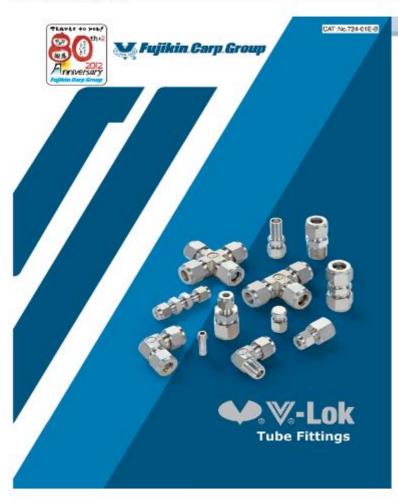
#### Features

- · Excellent durability due to ceramic materials.
- · Excellent flow control performance.
- · Floating ball structure, especially useful in slurry applications.
- · Simple construction, lightweight and compact.
- · Easy maintenance.

#### Performance

Item	Performance
Maximum Operating Pressure	0.98 MPa
Maximum Operating Differential Pressure	0.98~0.49 MPa(Depend on valve sizes)
Maximum Operating Temperature	200 °C
Seat Leakage	1/10000 of Maximum Cv Value [ ANSI FCI 70-2 CLASS IV ] (ANSI B 16.104)
Valve Size	1/2"~6"
Rangeability	15:1
Flange Connection	DIN PN 10, ANSI 150, JIS 10K





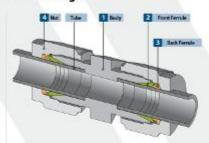
**V.-Lok** Tube Fittings

#### Overview of W-Lok Tube Fittings

W-Lok is a high performance tube fitting that comb scaling properties and quality control technologies required for power plant instrumentation fittings, other industies. tion required used in fittings facturing equipment.

W-Lok is new value series that provides high perfore, cost effectiveness, and quick delivery.

W-Lok tube fittings combine leading edge manufacturing technology and exceptional cost performance.



W-Lok Tube Fittings are composed four part 1. Body 2. Front Ferrule 3. Each Ferrule 4. Nut

#### **V**-Lok How Does it Works?

The W-Lek Tabe Fittings is a mechanism used been to cool and to grip tables. The mechanical acknotage and geometry of this limit of htting produces a leak-tight seconds.

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#### **Tube Fittings**

V Fujikin Carp Group



#### T- Lok INSTALLATION INSTRUCTIONS

T-Lok fittings are supplied assembled and finger tight. Disassembly before use can allow the entry of dirt or other particles.



Step 1, Insert the tubing into the fitting.

Insert the tubing into T Lok Tube Fitting's inside. At this moment, Make sure that the tubing is completely contact with the shoulder of fittings and then finger-tighten the nut Check that the tube rests firmly on the fitting shoulder and that the nut is finger Tight.



Step 2. Mark the starting point

Before tightening the T-LOK nut, it is recommended that a scribe mark be drawn on the hex of the nut extending onto the fitting body. This mark will serve as an indicator for the starting point and proper pull-up

Mark the starting point of turning at the 6 o'clock position



Step 3, Tighten the nut.

Hold the fitting body safely with a backup wrench and tighten the nut 1-1/4(pay attention to the mark of starting point of turning, make one revolution and place at 9 o'clock position Marking the starting point of Turning at the 6 o'clock position will let you notice where the starting point is)

1-1/4 turns of the nut are required for 1/4" (6 mm) and higher 3/4 turn of the nut is required for 3/16" (4 mm) and lower



- Size from 1/16 to 1 in and 2 to 25mm is available
- Convenient to disconnect and assemble
- Various materials and appearance

#### Fine Series Pure IGS (Intergrated Gas System)

#### IGS Panel with FCS

FCS (Flow Control System) is a high-performance prefilter, regulator, pressure transducer, and MFC in one compact package that reduces the size of assemblies by one third. Availabe in analog and digital versions.



VMB (Valve Manifold Box) allows for more efficient use of cleanroom space.

#### Ultra-Compact IGS (1.125")

Next generation ultra-compact IGS based upon the 1.125' tootprint. Gas panels are smaller and lighter without sacrificing flow capacity.







#### Fine Series Pure FCS (Flow Controllers System)

Total Solution for Gas Supply System

## Fujikin. FCS. series lead the flow control technology.

#### **Operating Principles**

When gas flows through a Mass Flow Controller, temperature changes are detected at the thermal sensor. This temperature gradient is used to compute the mass flow rate. Each gas has specific ability to transfer heat (called heat capacity) dictated by the physical structure of the gas molecules. A Mass Flow Controller proportionally controls the flow rate to a given flow set point.

# D-Sub 9 pin connector RS485 interface (No communication port for FCST1000L) Thermal Sensor Bypass Bypass Internal Structure Proportional Control Circuit Solenoid Valve Both Metal and Elastomer seals are available

# FINE series PURE FCS Thermal Series

#### Weirless Diaphragm Valves



#### Weir Diaphragm Valves





#### **Fujikin**, Incorporated

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