



FUJIKURA COMPOSITES

Fujikura Umbrella Check Valves

Fujikura Umbrella Check Valves are designed to be a normally-closed valve, allowing flow in one direction. The valve opens and closes at preset pressures for each rubber material option. We offer a range of pre-engineered sizes and can custom design a valve to meet your specific application needs.

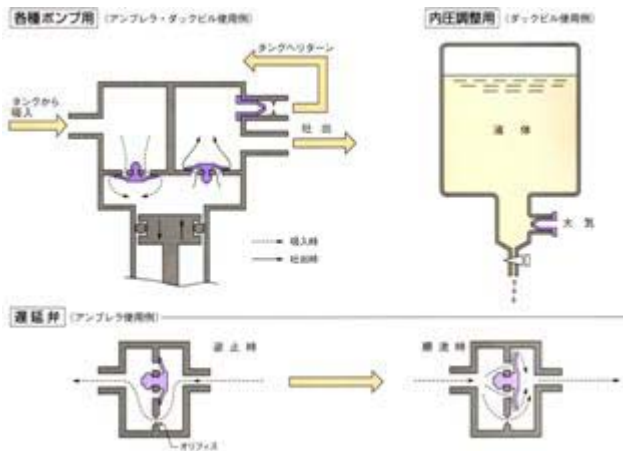
Typical Applications

- Fluid control, Dispensing, Emission control, Pumps, Medical Equipment, Fuel systems, and Vapor recovery
- Irrigation, Appliance, Medical, Aerospace, Automotive

Primary Design Benefits

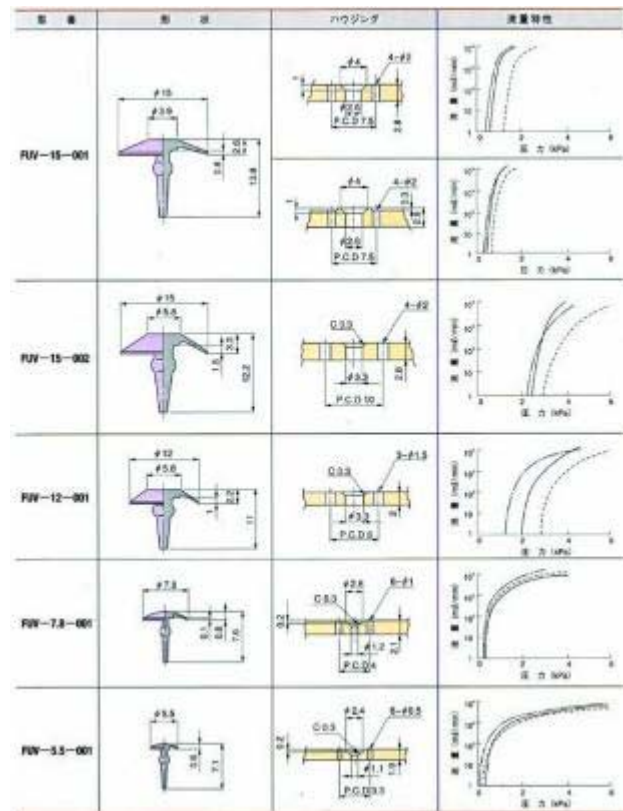
- Highly responsive to minor pressure changes
- Precision metering and control of fluids
- Repeatable, stable flow during operation
- Seals to a leak-free, air-tight closure

Application Overview



Standard Sizes

--- FVMQ 50A - - - - FVMQ 60A — NBR 50A



Material Options

| Rubber Type | Service Temperature (°C) | Contact Media | | | | | | | | | |
|--------------------------|--------------------------|---------------|----------------------|----------|------------|-------------------|-----------------------|-----------------|---------|-----|-------|
| | | Engine Oil | Torque Converter Oil | Gasoline | Warm Water | Hot Water (Steam) | Hydrochloric Acid 20% | Nitric Acid 10% | Alcohol | LPG | Ozone |
| Nitrile, NBR | -30 to 100 | ○ | ◎ | ○ | ○ | △ | △ | × | ○ | ○ | △ |
| Fluorosilicone, FVMQ | -60 to 200 | ◎ | ◎ | ◎ | ◎ | ○ | △ | △ | ◎ | ◎ | ◎ |
| Fluorocarbon, FKM | -15 to 200 | ◎ | ◎ | ◎ | ◎ | ○ | ◎ | ○ | ◎ | ◎ | ◎ |
| Silicone, VMQ | -60 to 200 | △ | △ | × | ○ | △ | △ | △ | ○ | × | ◎ |
| Ethylene Propylene, EPDM | -30 to 130 | × | × | × | ◎ | ○ | ◎ | ○ | ◎ | × | ◎ |

◎ Excellent ○ Good △ not usable for some cases × not suitable



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Specifications subject to change without notice



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----- FVMQ 60A
 - - - - - FVMQ 50A
 _____ NBR 50A

| PART NUMBER | PART DIMENSIONS | TYPICAL HOUSING DESIGN | FLOW CHARACTERISTICS |
|-------------|-----------------|------------------------|----------------------|
| FUV-15-001 | | | |
| FUV-15-002 | | | |
| FUV-12-001 | | | |
| FUV-7.8-001 | | | |
| FUV-5.5-001 | | | |