

Filters, Check/Relief/Dual Shutoff Valves



High Capacity Line Filters

- Remove dirt, scale, and foreign materials from pipelines
- Prevent damage to valves, regulators, torches, etc.
- Reduce possibility of combustible particles igniting in pipeline
- 40 micron rating on 1 in. and 2 in. sintered bronze elements
- 140 mesh screen on 3 in. screen filter



2 in. Filter

| Gas Service | Size | Part Number | Maximum Operating Pressure | Maximum Flow | Overall Length | Body Diameter | Weight |
|-------------|-------|-------------|----------------------------|--------------|-------------------------------|-------------------------------|--------------------------------|
| | in. | | psig | cfh | in. | in. | lbs. |
| Oxygen | 1 NPT | 2116734 | 350 | 20,000 | 7 ³ / ₈ | 2 ⁵ / ₈ | 5 ¹ / ₂ |
| Fuel Gas | 1 NPT | 2116339 | 350 | 20,000 | 7 ³ / ₈ | 2 ⁵ / ₈ | 5 ¹ / ₂ |
| Oxygen | 2 NPT | 2116735 | 350 | 100,000 | 14 | 3 ¹ / ₂ | 13 ¹ / ₂ |
| Fuel Gas | 2 NPT | 2116363 | 350 | 100,000 | 14 | 3 ¹ / ₂ | 13 ¹ / ₂ |

Heavy Duty Check/Relief/Dual Shutoff Valves

Check Valves

- Wide assortment of NPTF thread check valves
- For oxygen and fuel gas service

| Gas Service | Size | Part Number | Type |
|-------------|-------------------------------|-------------|-------------|
| | in. | | |
| Oxygen | 1/4 | 86W02 | NPTF-Poppet |
| | 1/2 | 2030506 | NPTF-Poppet |
| | 3/4 | 188W20 | NPTF-Poppet |
| | 1 | 2102243 | NPTF-Poppet |
| | 1 ¹ / ₂ | 2117071 | NPTF-Swing |
| Fuel Gas | 1/4 | 86W02 | NPTF-Poppet |
| | 1/4 | 2028762 | NPTF-Poppet |
| | 3/4 | 2028759 | NPTF-Poppet |



1¹/₂ in. Swing Check Valve

Relief Valves

- Use with any non-corrosive, non-toxic industrial gas
- Easily maintained for long life
- Equipped with 3/4 in. NPT male inlet, 3/4 in. NPT female outlet

| Model | Part Number | Relief Pressure |
|-------|-------------|-----------------|
| | | psig |
| RV-27 | 11P62 | 15 |
| RV-28 | 11P63 | 20 |
| RV-29 | 11P64 | 75 |
| RV-30 | 20069D10 | 45 |



RV-28

Filters, Check/Relief/Dual Shutoff Valves



Dual Shutoff Valves

- High flow
- Manually controlled
- 3/4 in. NPTF inlet/outlet
- Delayed action — sequence can be changed



V-21

| Model | Part Number | Flow Capacity |
|-------|-------------|----------------------------|
| | | cfh |
| V-21 | 07X67 | Oxygen - 10,700 at 100 psi |
| | | Fuel Gas - 3,300 at 10 psi |

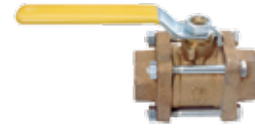
Valves



Line or Station Shutoff Valves, Check Valves, Shutoff/Check Valve Combinations

V-35

- Ball type, 1/4 in. turn, inline shutoff valve
- Any non-corrosive, non-toxic industrial gas
- Gas may flow either direction



V-35

V-53

- Ball type, 1/4 in. turn, inline shutoff valve
- Any non-corrosive, non-toxic industrial gas
- Gas may flow in either direction



V-53

V-54

- 90° throttle type shutoff valve
- Any non-corrosive, non-toxic industrial gas



V-53 / CV-1
Shown with check valve



V-54

Specifications and Ordering Information

Shutoff Valves

| Model | Part Number | Maximum Operating Pressure | | Connections | |
|-------|-------------|----------------------------|-------|--------------------|--------------------|
| | | psig | kPa | Inlet | Outlet |
| V-35 | 998210 | 400 | 2,760 | 3/4 in. NPT female | 3/4 in. NPT female |
| V-53 | 639674 | 300 | 2,070 | 3/4 in. NPT female | 3/4 in. NPT female |
| V-54 | 998184 | 400 | 2,760 | 1/2 in. NPT male | 3/4 in. NPT female |

Shutoff/Check Valve Combinations

| Combination Part Number* | | Check Valve | | Gas Service | Check Valve Outlet Connection | Cap and Chain Assembly (Accessory) |
|--------------------------|--------|-------------|--------------|-------------|-------------------------------------|------------------------------------|
| V-53 | V-54 | Symbol | Part Number† | | | |
| 639767 | 998185 | CV-1 | 639677 | Oxygen | CGA-024 (7/8 in. - 14 RH male)** | - |
| 639768 | 998186 | CV-2 | 639710 | Fuel Gas | CGA-025 (7/8 in. - 14 LH male)** | - |
| 998314 | 998315 | CV-3 | 639706 | Oxygen | CGA-022 (9/16 in. - 18 RH male)*** | 86W40 |
| 998316 | 998317 | CV-4 | 639711 | Fuel Gas | CGA-023 (9/16 in. - 18 LH male)*** | 86W41 |
| 639769 | 998187 | CV-5 | 639717 | ^ | 1/2 in. NPT male | - |
| 998442 | 998443 | CV-6 | 639719 | Inert Gas | CGA-034 (7/8 in. - 14 RH female)** | - |
| 998227 | 998228 | CV-7 | 639720 | Inert Gas | CGA-032 (5/8 in. - 18 RH female)*** | - |

Maximum Operating Pressure for all Shutoff/Check Valve Combinations is 200 psig.

*Combination Part Number includes both shutoff valve and check valve.

Oxygen check valves are supplied, assembled, and sealed to the station valves; all other combinations are supplied unassembled.

†This Part Number is for check valve only.

^Any common non-corrosive, non-toxic industrial gas.

**For connection to regulators with "C" size inlets.

***For connection to hose with "B" size fittings.

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