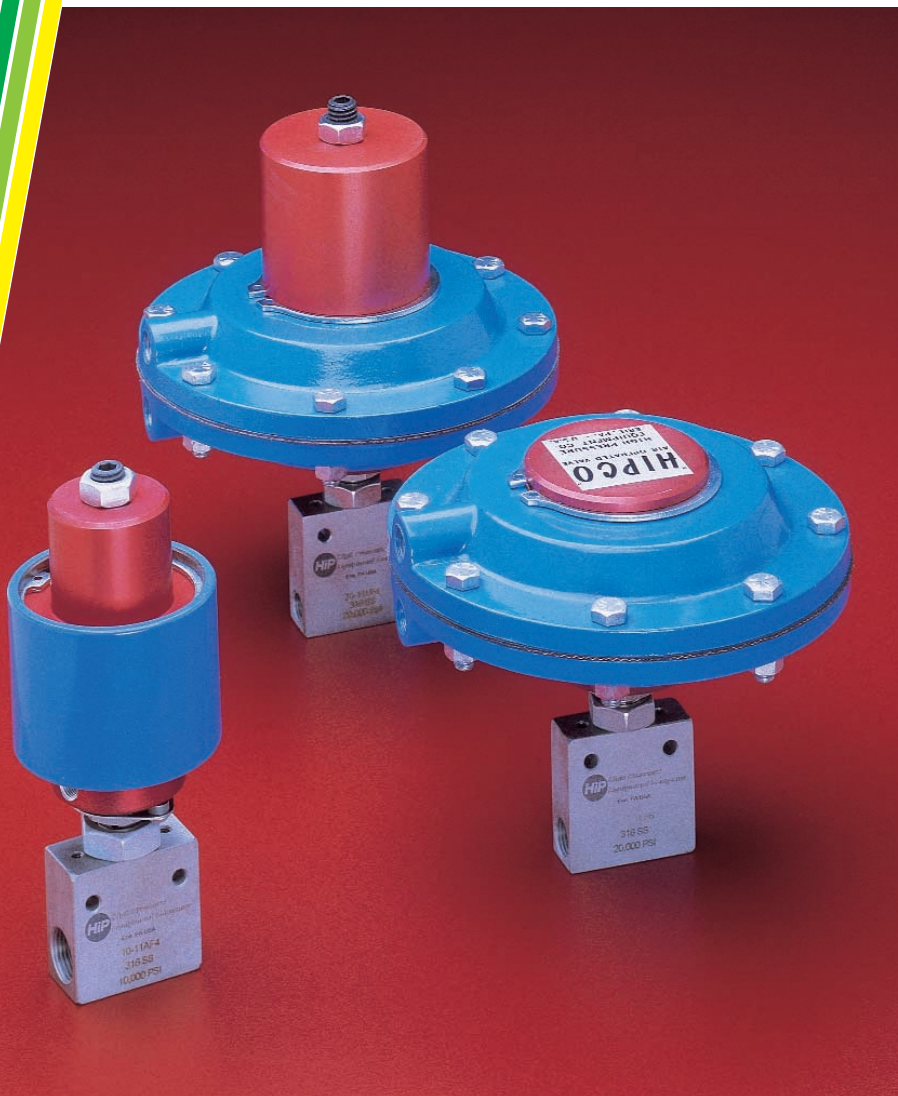




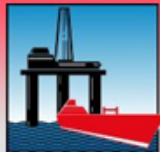
High Pressure Equipment

Air Operated Valves

High Pressure Equipment Company offers five lines of air operators to accommodate remote operation of pressure valves up to 100,000 psi. Various models of diaphragm and piston operated valves are available in both normally open and normally closed models, and can be controlled by air regulator, electrical solenoid or low pressure manual valve. The Remetco line of air operated metering valves provides remote operation for fine metering applications.



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| Hipco Diaphragm Air Operators | 7.2 |
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| Hippo Piston Air Operators | 7.3.5 |
| Remetco Piston Air Operated Fine Metering Valves | 7.4 |



Hydraulic & Offshore Supplies

High Pressure Equipment

Mini-Hippo Piston Air Operators for Remote Operation To 6,000 psi

Mini-Hippo Air Operators are available for both normally open service (spring to open/air to close) and for normally closed service (air to open/spring to close). These piston air operators provide remote automatic on/off operation of valves and can be controlled by means of an air regulator, an electrical solenoid, or a manual low pressure valve in the user's air supply line. Air inlet is 1/8" NPT. Air pressure requirement ranges from 50 to 90 psi.

The Mini-Hippo air operators may be supplied with the valves and operating pressures shown in table.

To order simply specify catalog number of valve and type operation required.

EXAMPLES: Mini-Hippo 30-11HF4 (normally closed)
Mini-Hippo 10-12AF6 (normally open)
Mini-Hippo 10-15AF4 (normally open/
normally closed)

Normally Open (Spring To Open / Air To Close)

| Valve Series | Maximum Operating Pressure | Approximate Air Pressure to Seat Valve |
|------------------|----------------------------|--|
| 10- **AF2 | 6,000 psi | 55 psi |
| 10- **AF4 | 6,000 psi | 55 psi |
| 10- **AF6 | 6,000 psi | 55 psi |
| 30- **HF4 | 6,000 psi | 55 psi |
| 30- **HF6 | 6,000 psi | 55 psi |
| 30- **HF9 | 6,000 psi | 55 psi |

Normally Closed (Air To Open / Spring To Close)

| Valve Series | Maximum Operating Pressure | Minimum Adjusting Screw Torque | Approximate Air Pressure to Unseat Valve | Approximate Air Pressure to Fully Open Valve |
|------------------|----------------------------|--------------------------------|--|--|
| 10- **AF4 | 6,000 psi | 15 in. lb. | 50 psi | 90 psi |
| 10- **AF6 | 6,000 psi | 15 in. lb. | 50 psi | 90 psi |
| 30- **HF4 | 6,000 psi | 15 in. lb. | 50 psi | 90 psi |
| 30- **HF6 | 6,000 psi | 15 in. lb. | 50 psi | 90 psi |
| 30- **HF9 | 6,000 psi | 15 in. lb. | 50 psi | 90 psi |

** Standard Valve Patterns (reference Page 1.4)

OPTIONS: *Stems & Seats* . . . Carbide (for cyclic service)
Stellite (for cyclic service)
17-4 (for cyclic service)

Valve Bodies Hastelloy C, Hastelloy B
Inconel 600, Inconel 625
Incoloy 800, Incoloy 825
Titanium Grade 2, Titanium 6AL4V
Nickel
Monel

Packing PolyPak

Temperature Considerations . . . Extended stuffing box for temperatures from -423°F to 1,200°F (medium and high pressure connections only)

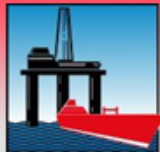
3" Diameter
Piston Air
Operators



Normally
Open



Normally
Closed



Hydraulic & Offshore Supplies

Air Operated Valves

Hipco Diaphragm Air Operators for Remote Operation To 60,000 psi

Hipco Air Operators are available for both normally open service (spring to open/air to close) and for normally closed service (air to open/spring to close). These diaphragm air operators provide remote automatic on/off operation of valves and can be controlled by means of an air regulator, an electrical solenoid, or a manual low pressure valve in the user's air supply line. Air inlet is 1/4" NPT.

The Hipco air operators may be supplied with the valves and operating pressures shown in table.

To order simply specify catalog number of valve and type operation required.

EXAMPLES: Hipco 30-11HF4 (normally closed)
 Hipco 10-12NFB (normally open)
 Hipco 10-15AF4 (normally open/normally closed)

OPTIONS: *Stems & Seats* . . . Carbide (for cyclic service)
 Stellite (for cyclic service)
 17-4 (for cyclic service)

Valve Bodies Hastelloy C, Hastelloy B
 Inconel 600, Inconel 625
 Incoloy 800, Incoloy 825
 Titanium Grade 2,
 Titanium 6AL4V
 Nickel
 Monel

Packing PolyPak

Temperature

Considerations . . . Extended stuffing box for temperatures from -423°F to 1,200°F (medium and high pressure connections only)

6 7/8" Diameter Diaphragm Air Operators



Normally Open



Normally Closed

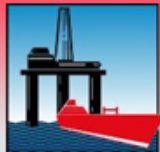
Normally Open (Spring To Open / Air To Close)

| Valve Series | Maximum Operating Pressure | Approximate Air Pressure to Seat Valve |
|--------------|----------------------------|--|
| 10-**AF4 | 10,000 psi | 35 psi |
| 10-**AF6 | 10,000 psi | 35 psi |
| 10-**NFA | 10,000 psi | 35 psi |
| 10-**NFB | 10,000 psi | 35 psi |
| 10-**NFC | 10,000 psi | 35 psi |
| 15F-**NFA | 15,000 psi | 85 psi |
| 15F-**NFB | 15,000 psi | 85 psi |
| 15F-**NFC | 10,000 psi | 100 psi |
| 15F-**NFD | 10,000 psi | 100 psi |
| 20-**LF4 | 20,000 psi | 60 psi |
| 20-**LF6 | 15,000 psi | 85 psi |
| 20-**LF9 | 10,000 psi | 100 psi |
| 30-**HF4 | 30,000 psi | 60 psi |
| 30-**HF6 | 30,000 psi | 85 psi |
| 30-**HF9 | 30,000 psi | 85 psi |
| 40-**HF9 | 30,000 psi | 85 psi |
| 60-**HF4 | 60,000 psi | 70 psi |
| 60-**HF6 | 60,000 psi | 70 psi |
| 60-**HF9 | 60,000 psi | 70 psi |

Normally Closed (Air To Open / Spring To Close)

| Valve Series | Maximum Operating Pressure | Minimum Adjusting Screw Torque | Approximate Air Pressure to Unseat Valve | Approximate Air Pressure to Fully Open Valve |
|--------------|----------------------------|--------------------------------|--|--|
| 10-**AF4 | 10,000 psi | 20 in. lb. | 30 psi | 45 psi |
| 10-**AF6 | 10,000 psi | 20 in. lb. | 30 psi | 45 psi |
| 10-**NFA | 10,000 psi | 20 in. lb. | 30 psi | 45 psi |
| 10-**NFB | 10,000 psi | 20 in. lb. | 30 psi | 45 psi |
| 10-**NFC | 10,000 psi | 20 in. lb. | 30 psi | 45 psi |
| 15F-**NFA | 15,000 psi | 60 in. lb. | 80 psi | 100 psi |
| 15F-**NFB | 15,000 psi | 60 in. lb. | 80 psi | 100 psi |
| 15F-**NFC | 10,000 psi | 75 in. lb. | 95 psi | 100 psi |
| 15F-**NFD | 10,000 psi | 75 in. lb. | 95 psi | 100 psi |
| 20-**LF4 | 20,000 psi | 40 in. lb. | 55 psi | 90 psi |
| 20-**LF6 | 15,000 psi | 60 in. lb. | 80 psi | 100 psi |
| 20-**LF9 | 10,000 psi | 75 in. lb. | 95 psi | 100 psi |
| 30-**HF4 | 30,000 psi | 40 in. lb. | 55 psi | 75 psi |
| 30-**HF6 | 30,000 psi | 60 in. lb. | 80 psi | 100 psi |
| 30-**HF9 | 30,000 psi | 60 in. lb. | 80 psi | 100 psi |
| 40-**HF9 | 30,000 psi | 60 in. lb. | 80 psi | 100 psi |
| 60-**HF4 | 60,000 psi | 50 in. lb. | 65 psi | 85 psi |
| 60-**HF6 | 60,000 psi | 50 in. lb. | 65 psi | 85 psi |
| 60-**HF9 | 60,000 psi | 50 in. lb. | 65 psi | 85 psi |

** Standard Valve Patterns (reference Page 1.4)



Hydraulic & Offshore Supplies

High Pressure Equipment

Remarco Diaphragm Operated Valves for Remote Operation

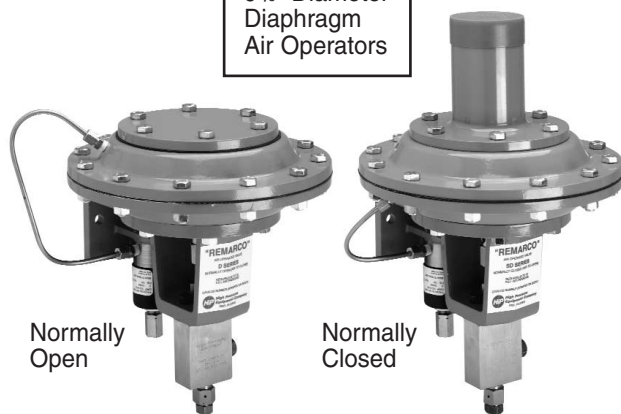
To 100,000 psi

Remarco air operated valves are available for both normally open service (spring to open/air to close) and for normally closed service (air to open/spring to close). These diaphragm operated valves provide remote operation up to 100,000 psi by means of an air input supply ranging from 25 to 90 psi to the air actuator.

An electrical solenoid valve for the air supply is provided with all Remarco valves and is mounted directly to the valve. The standard solenoid is 120 volt, 60 cycle, 11 watts with 1/8" NPT air inlet. (Other voltages available at additional charge—consult factory). The solenoid is normally closed and when energized allows air into the diaphragm casing to activate the valve. In the event of an electrical or air line failure, the valve will return to its "normal" position.

The Remarco valve features removable stem seats. Valve bodies are 316 stainless steel. Valve stems are hardened 17-4PH stainless steel. Standard packing on the 30,000 psi and 60,000 psi Remarco valves is Teflon O-ring with Buna-N, Viton, or Silicone, available at no additional cost.

9 7/8" Diameter Diaphragm Air Operators



Normally Open (Spring To Open / Air To Close)

| Valve Series | Maximum Operating Pressure | Approximate Air Pressure to Seat Valve | Orifice | Connections | Tubing Size | |
|--------------|----------------------------|--|---------|-------------|-------------|-------|
| | | | | | O.D. | I.D. |
| D10R12LF9R | 10,000 psi | 60 psi | 1/4" | LF9 | 9/16" | 5/16" |
| D20R12LF9R | 20,000 psi | 75 psi | 1/4" | LF9 | 9/16" | 5/16" |
| D30R12HF4R | 30,000 psi | 65 psi | 1/8" | HF4 | 1/4" | .083" |
| D30R12HF6R | 30,000 psi | 65 psi | 1/8" | HF6 | 3/8" | 1/8" |
| D30R12HF9R | 30,000 psi | 65 psi | 1/8" | HF9 | 9/16" | 3/16" |
| D10R12HF9R | 10,000 psi | 60 psi | 1/4" | HF9 | 9/16" | 5/16" |
| D60R12HF4R | 60,000 psi | 55 psi | 1/16" | HF4 | 1/4" | 1/16" |
| D60R12HF6R | 60,000 psi | 55 psi | 1/16" | HF6 | 3/8" | 1/8" |
| D60R12HF9R | 60,000 psi | 55 psi | 1/16" | HF9 | 9/16" | 3/16" |
| D100R12XF4R | 100,000 psi | 90 psi | 1/16" | XF4 | 1/4" | 1/16" |
| D100R12XF6R | 100,000 psi | 90 psi | 1/16" | XF6 | 3/8" | 1/16" |

Normally Closed (Air To Open / Spring To Close)

| Valve Series | Maximum Operating Pressure | Lock Nut Torque Setting | Approximate Air Pressure to Unseat Valve | Approximate Air Pressure to Fully Open Valve | Orifice | Connections | Tubing Size | |
|--------------|----------------------------|-------------------------|--|--|---------|-------------|-------------|-------|
| | | | | | | | O.D. | I.D. |
| SD10R12LF9R | 10,000 psi | 20 ft. lb. | 55 psi | 90 psi | 1/4" | LF9 | 9/16" | 5/16" |
| SD20R12LF9R | 20,000 psi | 40 ft. lb. | 70 psi | 90 psi | 1/4" | LF9 | 9/16" | 5/16" |
| SD30R12HF4R | 30,000 psi | 20 ft. lb. | 60 psi | 75 psi | 1/8" | HF4 | 1/4" | .083" |
| SD30R12HF6R | 30,000 psi | 20 ft. lb. | 60 psi | 75 psi | 1/8" | HF6 | 3/8" | 1/8" |
| SD30R12HF9R | 30,000 psi | 20 ft. lb. | 60 psi | 75 psi | 1/8" | HF9 | 9/16" | 3/16" |
| SD10R12HF9R | 10,000 psi | 20 ft. lb. | 55 psi | 90 psi | 1/4" | HF9 | 9/16" | 5/16" |
| SD60R12HF4R | 60,000 psi | 20 ft. lb. | 50 psi | 65 psi | 1/16" | HF4 | 1/4" | 1/16" |
| SD60R12HF6R | 60,000 psi | 20 ft. lb. | 50 psi | 65 psi | 1/16" | HF6 | 3/8" | 1/8" |
| SD60R12HF9R | 60,000 psi | 20 ft. lb. | 50 psi | 65 psi | 1/16" | HF9 | 9/16" | 3/16" |
| SD100R12XF4R | 100,000 psi | 30 ft. lb. | 85 psi | 100 psi | 1/16" | XF4 | 1/4" | 1/16" |
| SD100R12XF6R | 100,000 psi | 30 ft. lb. | 85 psi | 100 psi | 1/16" | XF6 | 3/8" | 1/16" |

- OPTIONS:
- Stems & Seats . . . Carbide (for cyclic service)
Stellite (for cyclic service)
 - Valve Bodies Hastelloy C, Hastelloy B
Inconel 600, Inconel 625
Incoloy 800, Incoloy 825
Titanium Grade 2, Titanium 6AL4V
Nickel
Monel
 - Packing PolyPak
 - Temperature Considerations . . . Extended stuffing box for temperatures from -423°F to 1,200°F (medium and high pressure connections only)



Hydraulic & Offshore Supplies

Air Operated Valves

Hippo Piston Air Operators for Remote Operation To 60,000 psi

Hippo Piston Air Operators are available for both normally open service (spring to open/air to close) and for normally closed service (air to open/spring to close). These piston air operators provide remote automatic on/off operation of valves and can be controlled by means of an air regulator, an electrical solenoid, or a manual low pressure valve in the user's air supply line. Air inlet is 1/8" NPT. Air pressure requirement ranges from 35 psi to 120 psi. These operators may be supplied with the valves and operating pressures shown in table.

Normally Closed (Air To Open/Spring To Close)

Medium Duty

| Valve Series | Maximum Operating Pressure | Orifice Size | Minimum Adjusting Screw Torque | Approximate Air Pressure to Unseat Valve | Approximate Air Pressure to Fully Open | Part Number Suffix |
|--------------|----------------------------|--------------|--------------------------------|--|--|--------------------|
| 10-**AF4 | 10,000 psi | 1/8" | 25 in.lb. | 30 psi | 40 psi | MPO-NC |
| 10-**AF6 | 10,000 psi | 1/8" | 25 in.lb. | 30 psi | 40 psi | MPO-NC |
| 15F-**NFA | 15,000 psi | 13/64" | 45 in.lb. | 55 psi | 75 psi | MPO-NC |
| 15F-**NFB | 15,000 psi | 13/64" | 45 in.lb. | 55 psi | 75 psi | MPO-NC |
| 15F-**NFC | 10,000 psi | 5/16" | 55 in.lb. | 70 psi | 95 psi | MPO-NC |
| 15F-**NFD | 10,000 psi | 5/16" | 55 in.lb. | 70 psi | 95 psi | MPO-NC |
| 20-**LF4 | 20,000 psi | 1/8" | 50 in.lb. | 70 psi | 95 psi | MPO-NC |
| 20-**LF6 | 20,000 psi | 13/64" | 55 in.lb. | 70 psi | 95 psi | MPO-NC |
| 20-**LF9 | 10,000 psi | 5/16" | 55 in.lb. | 70 psi | 95 psi | MPO-NC |
| 30-**HF4 | 30,000 psi | 3/32" | 50 in.lb. | 60 psi | 75 psi | MPO-NC |
| 30-**HF6 | 30,000 psi | 1/8" | 55 in.lb. | 60 psi | 75 psi | MPO-NC |
| 30-**HF9 | 30,000 psi | 1/8" | 55 in.lb. | 60 psi | 75 psi | MPO-NC |
| 60-**HF4 | 60,000 psi | 1/16" | 50 in.lb. | 50 psi | 65 psi | MPO-NC |
| 60-**HF6 | 60,000 psi | 1/16" | 50 in.lb. | 50 psi | 65 psi | MPO-NC |
| 60-**HF9 | 60,000 psi | 1/16" | 50 in.lb. | 50 psi | 65 psi | MPO-NC |

Heavy Duty

| | | | | | | |
|-----------|------------|--------|-----------|--------|--------|--------|
| 15F-**NFC | 15,000 psi | 5/16" | 85 in.lb. | 60 psi | 75 psi | HPO-NC |
| 15F-**NFD | 15,000 psi | 5/16" | 85 in.lb. | 60 psi | 75 psi | HPO-NC |
| 20-**LF4 | 20,000 psi | 1/8" | 55 in.lb. | 35 psi | 50 psi | HPO-NC |
| 20-**LF6 | 20,000 psi | 13/64" | 60 in.lb. | 35 psi | 50 psi | HPO-NC |
| 20-**LF9 | 16,000 psi | 5/16" | 85 in.lb. | 60 psi | 75 psi | HPO-NC |
| 20-**LF12 | 9,000 psi | 7/16" | 85 in.lb. | 60 psi | 75 psi | HPO-NC |
| 20-**LF16 | 6,000 psi | 9/16" | 85 in.lb. | 60 psi | 75 psi | HPO-NC |
| 30-**HF4 | 30,000 psi | 3/32" | 50 in.lb. | 30 psi | 40 psi | HPO-NC |
| 30-**HF6 | 30,000 psi | 1/8" | 55 in.lb. | 30 psi | 40 psi | HPO-NC |
| 30-**HF9 | 30,000 psi | 1/8" | 55 in.lb. | 30 psi | 40 psi | HPO-NC |
| 60-**HF4 | 60,000 psi | 1/16" | 50 in.lb. | 25 psi | 35 psi | HPO-NC |
| 60-**HF6 | 60,000 psi | 1/16" | 50 in.lb. | 25 psi | 35 psi | HPO-NC |
| 60-**HF9 | 60,000 psi | 1/16" | 50 in.lb. | 25 psi | 35 psi | HPO-NC |

Extra Heavy Duty

| | | | | | | |
|-----------|------------|--------|-----------|--------|--------|---------|
| 20-**LF12 | 20,000 psi | 7/16" | 60 ft.lb. | 35 psi | 60 psi | EHPO-NC |
| 10-**NFF | 10,000 psi | 11/16" | 75 ft.lb. | 45 psi | 70 psi | EHPO-NC |
| 10-**NFH | 10,000 psi | 11/16" | 75 ft.lb. | 45 psi | 70 psi | EHPO-NC |
| 10-**LF16 | 10,000 psi | 11/16" | 75 ft.lb. | 45 psi | 70 psi | EHPO-NC |
| 20-**LF16 | 20,000 psi | 9/16" | 95 ft.lb. | 55 psi | 95 psi | EHPO-NC |
| 30-**LF16 | 30,000 psi | 7/16" | 90 ft.lb. | 50 psi | 85 psi | EHPO-NC |

To order simply specify catalog number of valve and appropriate suffix of operator required.

EXAMPLES: Hippo 20-11LF4-MPO-NC (normally closed)
Hippo 20-12LF6-HPO-NO (normally open)

OPTIONS:

Stems & Seat Carbide, ceramic or Stellite (for cyclic service)

Valve Bodies Hastelloy C, Hastelloy B
Inconel 600, Inconel 625
Incoloy 800, Incoloy 825
Titanium Grade 2, Titanium 6AL4V
Nickel
Monel

Packing PolyPak

Temperature

Consideration Extended stuffing box for temperatures from -423°F to 1,200°F (medium and high pressure connections only)

Normally Open (Spring To Open/Air To Close)

Medium Duty

| Valve Series | Maximum Operating Pressure | Orifice Size | Approximate Air Pressure to Seat Valve | Part Number Suffix |
|--------------|----------------------------|--------------|--|--------------------|
| 10-**AF4 | 10,000 psi | 1/8" | 35 psi | MPO-NO |
| 10-**AF6 | 10,000 psi | 1/8" | 35 psi | MPO-NO |
| 15F-**NFA | 15,000 psi | 13/64" | 75 psi | MPO-NO |
| 15F-**NFB | 15,000 psi | 13/64" | 75 psi | MPO-NO |
| 15F-**NFC | 10,000 psi | 5/16" | 100 psi | MPO-NO |
| 15F-**NFD | 10,000 psi | 5/16" | 100 psi | MPO-NO |
| 20-**LF4 | 20,000 psi | 1/8" | 95 psi | MPO-NO |
| 20-**LF6 | 20,000 psi | 13/64" | 100 psi | MPO-NO |
| 20-**LF9 | 10,000 psi | 5/16" | 100 psi | MPO-NO |
| 20-**LF12 | 6,000 psi | 7/16" | 100 psi | MPO-NO |
| 30-**HF4 | 30,000 psi | 3/32" | 60 psi | MPO-NO |
| 30-**HF6 | 30,000 psi | 1/8" | 60 psi | MPO-NO |
| 30-**HF9 | 30,000 psi | 1/8" | 60 psi | MPO-NO |
| 60-**HF4 | 60,000 psi | 1/16" | 55 psi | MPO-NO |
| 60-**HF6 | 60,000 psi | 1/16" | 55 psi | MPO-NO |
| 60-**HF9 | 60,000 psi | 1/16" | 55 psi | MPO-NO |

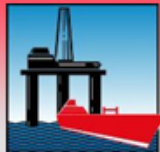
Heavy Duty

| | | | | |
|-----------|------------|--------|---------|--------|
| 15F-**NFC | 15,000 psi | 5/16" | 75 psi | HPO-NO |
| 15F-**NFD | 15,000 psi | 5/16" | 75 psi | HPO-NO |
| 20-**LF4 | 20,000 psi | 1/8" | 55 psi | HPO-NO |
| 20-**LF6 | 20,000 psi | 13/64" | 55 psi | HPO-NO |
| 20-**LF9 | 20,000 psi | 5/16" | 95 psi | HPO-NO |
| 20-**LF12 | 13,000 psi | 7/16" | 100 psi | HPO-NO |
| 20-**LF16 | 8,800 psi | 9/16" | 100 psi | HPO-NO |
| 30-**HF4 | 30,000 psi | 3/32" | 35 psi | HPO-NO |
| 30-**HF6 | 30,000 psi | 1/8" | 35 psi | HPO-NO |
| 30-**HF9 | 30,000 psi | 1/8" | 35 psi | HPO-NO |
| 60-**HF4 | 60,000 psi | 1/16" | 30 psi | HPO-NO |
| 60-**HF6 | 60,000 psi | 1/16" | 30 psi | HPO-NO |
| 60-**HF9 | 60,000 psi | 1/16" | 30 psi | HPO-NO |

Extra Heavy Duty

| | | | | |
|-----------|------------|--------|--------|---------|
| 20-**LF12 | 20,000 psi | 7/16" | 55 psi | EHPO-NO |
| 10-**NFF | 10,000 psi | 11/16" | 45 psi | EHPO-NO |
| 10-**NFH | 10,000 psi | 11/16" | 45 psi | EHPO-NO |
| 10-**LF16 | 10,000 psi | 11/16" | 45 psi | EHPO-NO |
| 20-**LF16 | 20,000 psi | 9/16" | 55 psi | EHPO-NO |
| 30-**LF16 | 30,000 psi | 7/16" | 50 psi | EHPO-NO |

** Standard Valve Patterns (reference Page 1.4)



Hydraulic & Offshore Supplies

High Pressure Equipment

Remetco Piston Operated Fine Metering Valves For Liquids or Gases

Precise control with fast response is possible in fine metering applications to 60,000 psi with Remetco Valves. Pinpoint accuracy and repeatability are assured by a unique stem travel control device working in concert with a Conoflow operator, which is actuated by an input air pressure on only 15 psi.

Body material is Type 316 stainless steel, with both stem and removable seat of 17-4PH. The stem tip is ground to a 9° included taper, with orifice sizes as listed in the ordering table.

Installation requires only connection to an air supply of 20 to 100 psi. This is connected both to the supply air connection and to the instrument air inlet. The latter is regulated between 3 and 15 psi to actuate the valve to the desired position.

Regulation is effected by the user's instrument or by the optional instrument panel at lower left. Thus the valve is in its full open position with a 3 psi air input and in the closed position with a 15 psi air input.

Failsafe operation. In standard configuration, the valve OPENS upon failure of the air supply. It may also be supplied to close upon air failure, to open upon an increase in air signal, or any combination of these specifications.

Remote Valve Positioner "RVP." Optional instrument panel shown at bottom can be ordered as an accessory. It is a manually operated remote air signal valve positioner which permits positioning the stem at any desired point within the 1 1/8" travel of the stem. The dial indicator is graduated into 100 increments; thus each dial increment moves the stem 0.0112".

Standard inlet and outlet connections to the Remetco Valve are for 9/16" OD coned and threaded tubing. Adapters may be supplied for other tubing sizes upon request.

Shutoff not recommended. While this valve is capable of on-off operation, it is designed as a fine metering instrument. To assure maximum stem life, a manual on-off valve should be used in the line upstream of the Remetco Valve.

To order, use assembly number in table and specify if operation is to be other than the standard closure upon air failure. Add "RVP" as suffix if remote air signal valve positioner is desired.

Ordering Table

| Assembly Number | Pressure Rating | Orifice Size |
|-----------------|-----------------|--------------|
| 10M-12HF9R | 10,000 psi | 1/4" |
| 30M-12HF9R | 30,000 psi | 1/8" |
| 60M-12HF9R | 60,000 psi | 1/16" |

- OPTIONS: *Stems & Seats* . . . Carbide (for cyclic service)
 Stellite (for cyclic service)
- Valve Bodies* Hastelloy-C, Hastelloy B
 Inconel 600, Inconel 625
 Incoloy 800, Incoloy 825
 Titanium Grade 2, Titanium GAL4V
 Nickel
 Monel
- Packing* PolyPak
- Temperature Considerations* . . . Extended stuffing box for temperatures from -423°F to 1,200°F (medium and high pressure connections only)



Remote Valve Stem Positioner "RVP" above permits remote positioning of valve stem in increments of 0.0112". To order, add suffix "RVP" to base order number.