

**Technical Information**

- CV** Check Valves
- SH** Shuttle Valves
- LM** Load/Motor Controls
- FC** Flow Controls
- PC** Pressure Controls
- LE** Logic Elements
- DC** Directional Controls
- MV** Manual Valves
- SV** Solenoid Valves
- PV** Proportional Valves
- CE** Coils & Electronics
- BC** Bodies & Cavities
- TD** Technical Data

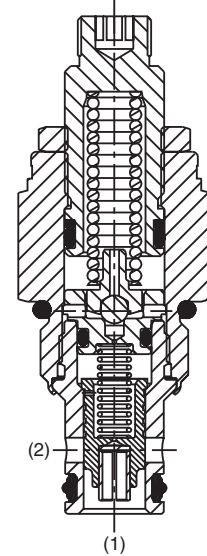
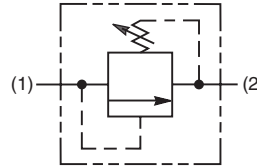
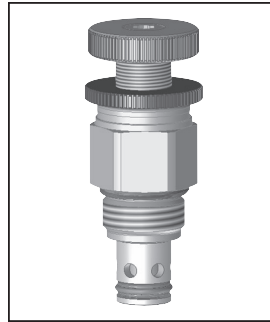
**General Description**

Pilot Operated Spool-Type Relief Valve  
For additional information see  
Technical Tips on pages PC1-PC6.



**Features**

- Hardened, precision ground parts for durability
- Low profile adapter for minimal space requirements
- Fully guided pilot for more consistent reseal
- Steel adapters are coated with yellow zinc dichromate for protection from salt spray
- Polyurethane "D"-Ring eliminates backup rings and prevents hydrolysis
- Internal screening protects pilot spring from debris



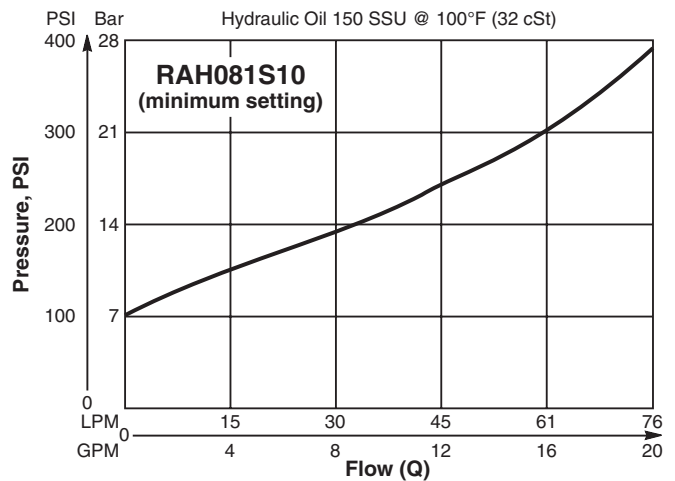
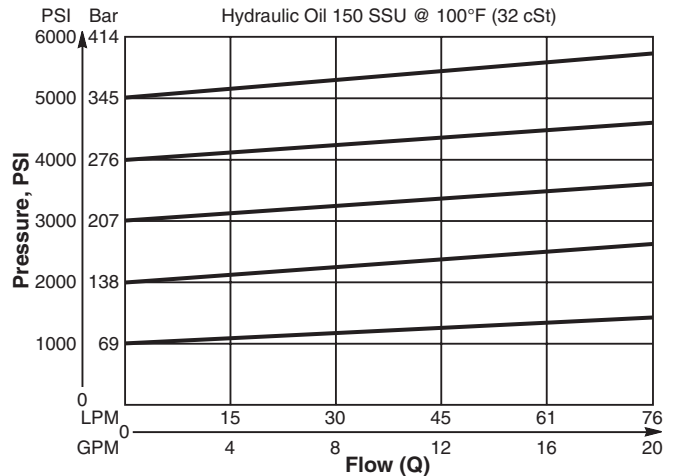
**Specifications**

<b>Rated Flow</b>	75.8 LPM (20 GPM)
<b>Maximum Inlet Pressure</b>	380 Bar (5500 PSI)
<b>Maximum Pressure Setting</b>	350 Bar (5000 PSI)
<b>Maximum Tank Pressure</b>	350 Bar (5000 PSI)
<b>Reseat Pressure</b>	90% of crack pressure
<b>Leakage at 150 SSU (32 cSt)</b>	5 cc per 100 PSI (6.8 Bar) setting
<b>Cartridge Material</b>	All parts steel. All operating parts hardened steel.
<b>Operating Temp. Range/Seals</b>	-45°C to +93.3°C ("D"-Ring) (-50°F to +200°F) -31.7°C to +121.1°C (Fluorocarbon) (-25°F to +250°F)
<b>Fluid Compatibility/ Viscosity</b>	Mineral-based or synthetic with lubricating properties at viscosities of 45 to 2000 SSU (6 to 420 cSt)
<b>Filtration</b>	ISO Code 16/13, SAE Class 4 or better
<b>Approx. Weight</b>	.09 kg (.20 lbs.)
<b>Cavity</b>	C08-2 (See BC Section for more details)
<b>Form Tool</b>	Rougher None Finisher NFT08-2F

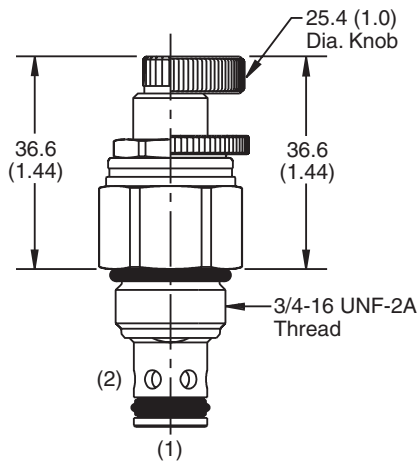
**Performance Curves**

**Flow vs. Inlet Pressure**

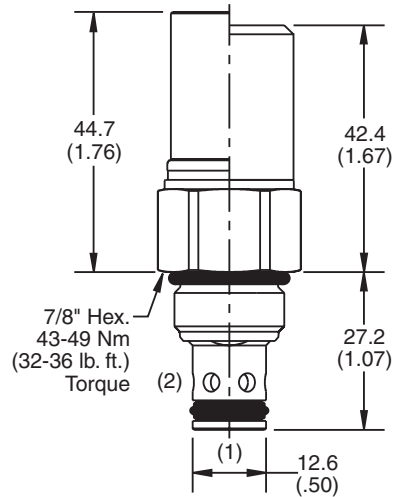
(Pressure rise through cartridge only)



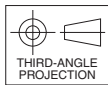
**Dimensions** Millimeters (Inches)



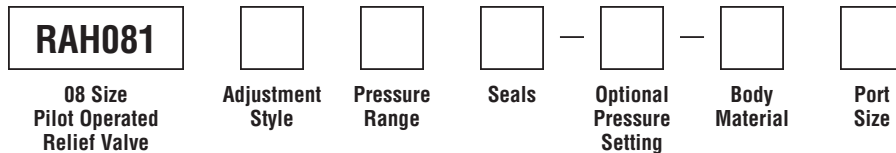
**Screw/Knob Version**



**Fixed Cap/Tamper Resistant Version**



**Ordering Information**



Code	Adjustment Style / Kit No.
F	Fixed style, preset at factory.
K	Knob Adjust (717784-10)
S	Screw Adjust
T	Tamper Resistant Cap (717943)

Code	Seals / Kit No.
Omit	"D"-Ring / (SK08-2)
N	Nitrile / (SK08-2N)
V	Fluorocarbon / (SK08-2V)

Code	Body Material
Omit	Steel
A	Aluminum

Code	Pressure Range
10	6.9 - 69 Bar (100 - 1000 PSI) Standard Setting: 34.5 Bar (500 PSI) @ crack pressure, approximately .95 LPM (.25 GPM)
20	6.9 - 138 Bar (100 - 2000 PSI) Standard Setting: 69 Bar (1000 PSI) @ crack pressure, approximately .95 LPM (.25 GPM)
30	13.8 - 207 Bar (200 - 3000 PSI) Standard Setting: 103.5 Bar (1500 PSI) @ crack pressure, approximately .95 LPM (.25 GPM)
50	13.8 - 345 Bar (200 - 5000 PSI) Standard Setting: 172.4 Bar (2500 PSI) @ crack pressure, approximately .95 LPM (.25 GPM)

Optional Pressure Setting
Pressure $\pm$ 10 i.e. 235 = 2350 PSI (Omit if standard setting is used) Setting Range: 100 to 5000 PSI All settings at crack pressure, approximately .95 LPM (.25 GPM)

Code	Port Size	Body Part No.
Omit	Cartridge Only	
4P	1/4" NPTF	(B08-2-*4P)
6P	3/8" NPTF	(B08-2-*6P)
4T	SAE-4	(B08-2-*4T)
6T	SAE-6	(B08-2-*6T)
6B	3/8" BSPG	(B08-2-*6B)

\* Add "A" for aluminum, omit for steel.

**Technical Information**

- CV** Check Valves
- SH** Shuttle Valves
- LM** Load/Motor Controls
- FC** Flow Controls
- PC** Pressure Controls
- LE** Logic Elements
- DC** Directional Controls
- MV** Manual Valves
- SV** Solenoid Valves
- PV** Proportional Valves
- CE** Coils & Electronics
- BC** Bodies & Cavities
- TD** Technical Data

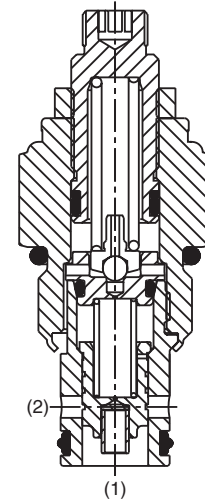
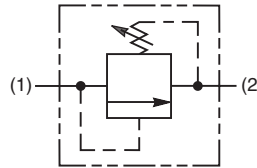
**General Description**

Pilot Operated Spool-Type Relief Valve  
For addition information see Technical Tips on pages PC1-PC6.



**Features**

- Hardened, precision ground parts for durability
- Low profile adapter for minimal space requirements
- Fully guided poppet for more consistent reseal
- Steel adapters are coated with yellow zinc dichromate for protection from salt spray
- Polyurethane "D"-Ring eliminates backup rings and prevents hydrolysis
- Internal screening protects pilot spring from debris



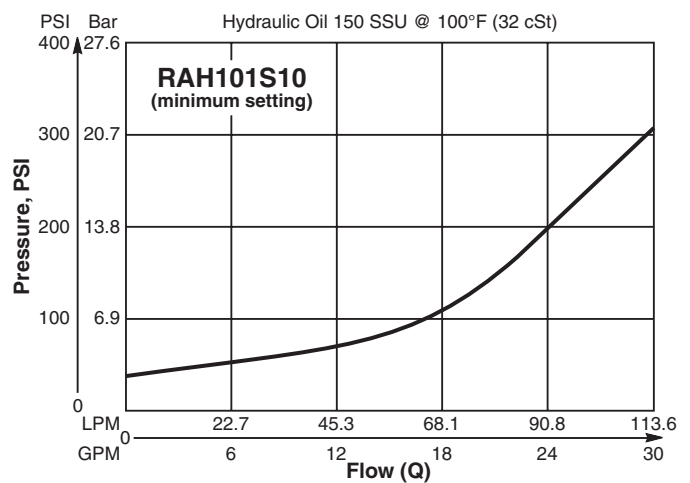
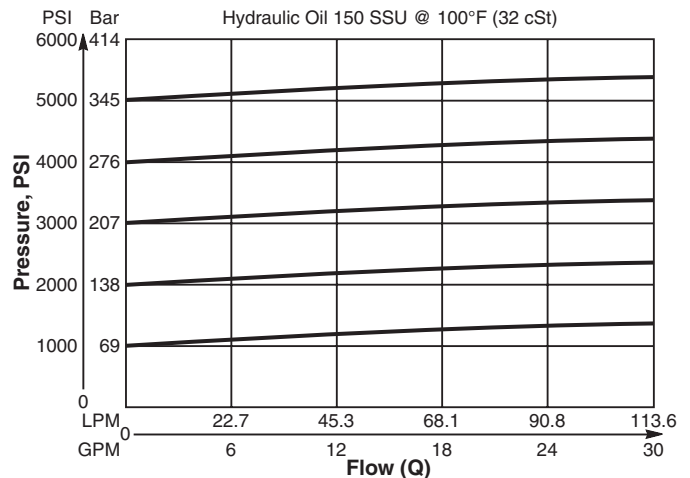
**Specifications**

<b>Rated Flow</b>	113 LPM (30 GPM)
<b>Maximum Inlet Pressure</b>	380 Bar (5500 PSI)
<b>Maximum Pressure Setting</b>	350 Bar (5000 PSI)
<b>Maximum Tank Pressure</b>	350 Bar (5000 PSI)
<b>Reseat Pressure</b>	90% of crack pressure
<b>Leakage at 150 SSU (32 cSt)</b>	5 cc per 100 PSI (6.8 Bar) setting
<b>Cartridge Material</b>	All parts steel. All operating parts hardened steel.
<b>Operating Temp. Range/Seals</b>	-45°C to +93.3°C ("D"-Ring) (-50°F to +200°F) -31.7°C to +121.1°C (Fluorocarbon) (-25°F to +250°F)
<b>Fluid Compatibility/Viscosity</b>	Mineral-based or synthetic with lubricating properties at viscosities of 45 to 2000 SSU (6 to 420 cSt)
<b>Filtration</b>	ISO Code 16/13, SAE Class 4 or better
<b>Approx. Weight</b>	.23 kg (.50 lbs.)
<b>Cavity</b>	C10-2 (See BC Section for more details)
<b>Form Tool</b>	Rougher None Finisher NFT10-2F

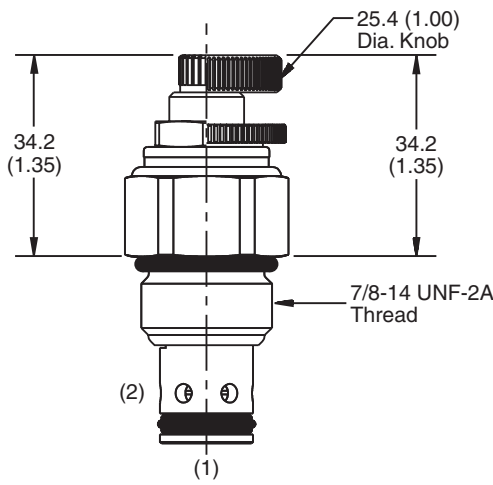
**Performance Curves**

**Flow vs. Inlet Pressure**

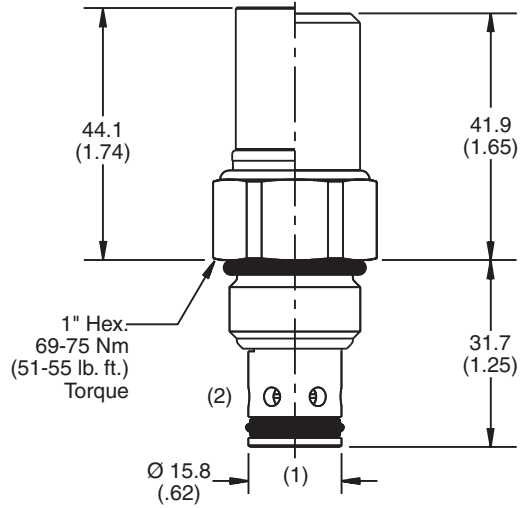
(Pressure rise through cartridge only)



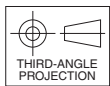
**Dimensions** Millimeters (Inches)



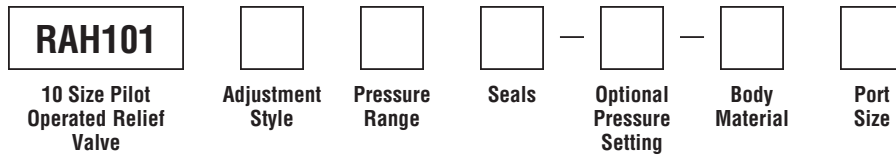
**Screw/Knob Version**



**Fixed Cap/Tamper Resistant Version**



**Ordering Information**



Code	Adjustment Style / Kit No.
F	Fixed style, preset at factory.
K	Knob Adjust (717784-10)
S	Screw Adjust
T	Tamper Resistant Cap (718083)

Code	Seals / Kit No.
Omit	"D"-Ring / (SK10-2)
N	Nitrile / (SK10-2N)
V	Fluorocarbon / (SK10-2V)

Code	Body Material
Omit	Steel
A	Aluminum

Code	Pressure Range
10	6.9 - 69 Bar (100 - 1000 PSI) Standard Setting: 34.5 Bar (500 PSI) @ crack pressure, approximately .95 LPM (.25 GPM)
20	6.9 - 138 Bar (100 - 2000 PSI) Standard Setting: 69 Bar (1000 PSI) @ crack pressure, approximately .95 LPM (.25 GPM)
30	13.8 - 207 Bar (200 - 3000 PSI) Standard Setting: 103.5 Bar (1500 PSI) @ crack pressure, approximately .95 LPM (.25 GPM)
50	13.8 - 345 Bar (200 - 5000 PSI) Standard Setting: 172.4 Bar (2500 PSI) @ crack pressure, approximately .95 LPM (.25 GPM)

Optional Pressure Setting
Pressure ÷ 10 i.e. 235 = 2350 PSI (Omit if standard setting is used) Setting Range: 100 to 5000 PSI All settings at crack pressure, approximately .95 LPM (.25 GPM)

Code	Port Size	Body Part No.
Omit	Cartridge Only	
4P	1/4" NPTF	(B10-2-*4P)
6P	3/8" NPTF	(B10-2-*6P)
8P	1/2" NPTF	(B10-2-*8P)
6T	SAE-6	(B10-2-*6T)
8T	SAE-8	(B10-2-*8T)
T8T	SAE-8	(B10-2-T8T)†
6B	3/8" BSPG	(B10-2-6B)†

\* Add "A" for aluminum, omit for steel.  
 † Steel body only.

**Technical Information**

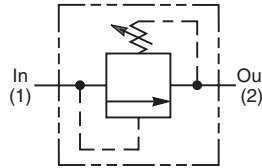
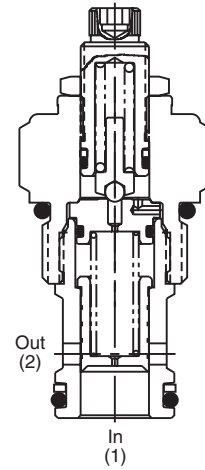
- CV** Check Valves
- SH** Shuttle Valves
- LM** Load/Motor Controls
- FC** Flow Controls
- PC** Pressure Controls
- LE** Logic Elements
- DC** Directional Controls
- MV** Manual Valves
- SV** Solenoid Valves
- PV** Proportional Valves
- CE** Coils & Electronics
- BC** Bodies & Cavities
- TD** Technical Data

**General Description**

Pilot Operated Spool-Type Relief Valve. For additional information see Technical Tips on pages PC1-PC6.

**Features**

- Low override curve
- Ball-type pilot for added stability
- High accuracy - pilot operated design
- Hardened, precision ground parts for durability
- Compact size for reduced space requirements
- All external parts have yellow zinc dichromate. This coating is ideal for salt spray applications.



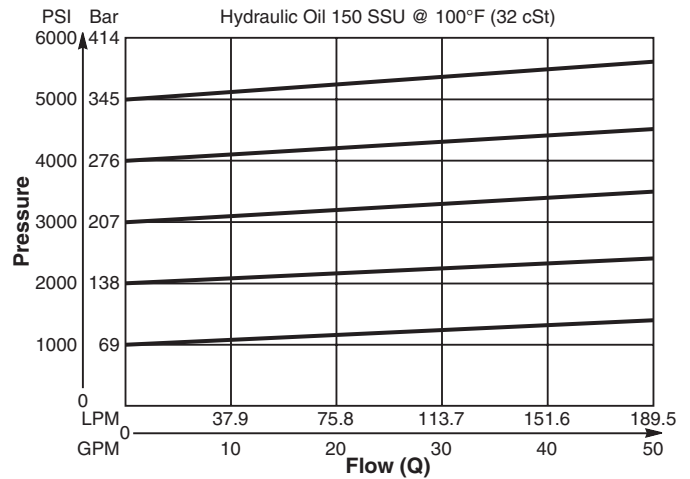
**Specifications**

<b>Rated Flow</b>	189.5 LPM (50 GPM)
<b>Maximum Inlet Pressure</b>	380 Bar (5500 PSI)
<b>Maximum Pressure Setting</b>	350 Bar (5000 PSI)
<b>Reseat Pressure</b>	80% of crack pressure
<b>Leakage at 150 SSU (32 cSt)</b>	82 cc/min. (5 cu. in./min.) @ 75% of crack pressure
<b>Cartridge Material</b>	All parts steel. All operating parts hardened steel.
<b>Operating Temp. Range/Seals</b>	-40°C to +93.3°C (Nitrile) (-40°F to +200°F) -31.7°C to +121.1°C (Fluorocarbon) (-25°F to +250°F)
<b>Fluid Compatibility/ Viscosity</b>	Mineral-based or synthetic with lubricating properties at viscosities of 45 to 2000 SSU (6 to 420 cSt)
<b>Filtration</b>	ISO Code 16/13, SAE Class 4 or better
<b>Approx. Weight</b>	.22 kg (.48 lbs.)
<b>Cavity</b>	C12-2
<b>Form Tool</b>	Rougher None Finisher NFT12-2F

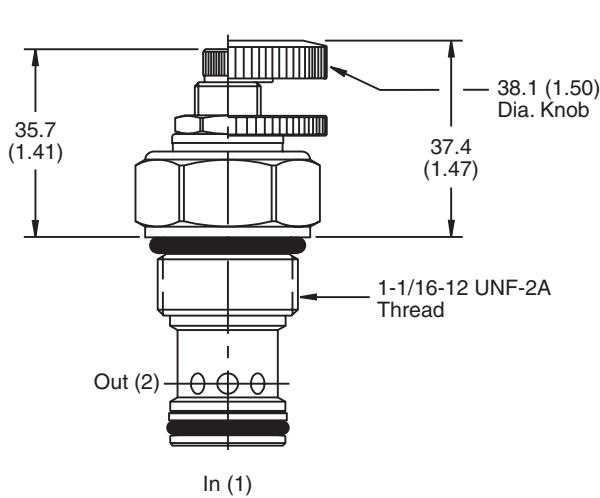
**Performance Curve**

**Flow vs. Inlet Pressure**

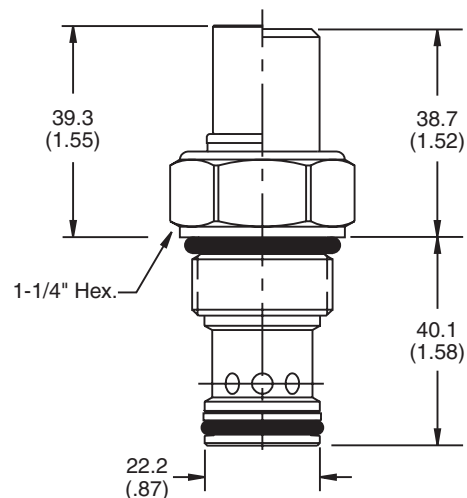
(Pressure rise through cartridge only)



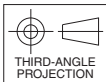
**Dimensions** Millimeters (Inches)



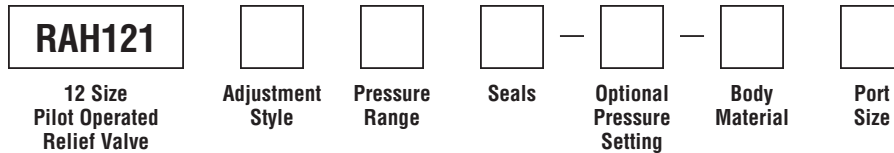
**Screw/Knob Version**



**Fixed Cap/Tamper Resistant Version**



**Ordering Information**



Code	Adjustment Style / Kit No.
F	Fixed style, preset at factory.
K	Knob Adjust (717784-15)
S	Screw Adjust
T	Tamper Resistant Cap (717785)

Code	Seals / Kit No.
Omit	Nitrile / (SK12-2)
V	Fluorocarbon / (SK12-2V)

Code	Body Material
Omit	Steel
A	Aluminum

Code	Pressure Range
10	6.9 - 69 Bar (100 - 1000 PSI) Standard Setting: 34.5 Bar (500 PSI) @ 11.3 LPM (3 GPM)
20	13.8 - 138 Bar (200 - 2000 PSI) Standard Setting: 69 Bar (1000 PSI) @ 11.3 LPM (3 GPM)
30	20.7 - 207 Bar (300 - 3000 PSI) Standard Setting: 103.5 Bar (1500 PSI) @ 11.3 LPM (3 GPM)
50	34.5 - 345 Bar (500 - 5000 PSI) Standard Setting: 172.4 Bar (2500 PSI) @ 11.3 LPM (3 GPM)

Optional Pressure Setting
Pressure $\pm$ 10 i.e. 235 = 2350 PSI (Omit if standard setting is used) Setting Range: 100 to 5000 PSI All settings at 11.3 LPM (3 GPM)

Code	Port Size	Body Part No.
Omit	Cartridge Only	
12P	3/4" NPTF	(B12-2-*12P)
8T	SAE-8	(B12-2-*8T)
12T	SAE-12	(B12-2-*12T)

\* Add "A" for aluminum, omit for steel.

**Technical Information**

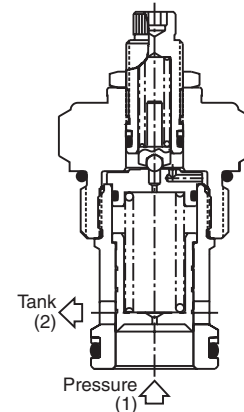
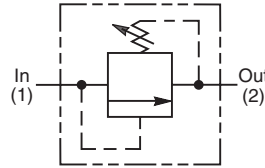
- CV** Check Valves
- SH** Shuttle Valves
- LM** Load/Motor Controls
- FC** Flow Controls
- PC** Pressure Controls
- LE** Logic Elements
- DC** Directional Controls
- MV** Manual Valves
- SV** Solenoid Valves
- PV** Proportional Valves
- CE** Coils & Electronics
- BC** Bodies & Cavities
- TD** Technical Data

**General Description**

Pilot Operated Spool-Type Relief Valve. For additional information see Technical Tips on pages PC1-PC6.

**Features**

- Low override curve
- Ball-type pilot for added stability
- High accuracy - pilot operated design
- Hardened, precision ground parts for durability
- Compact size for reduced space requirements
- All external parts have yellow zinc dichromate. This coating is ideal for salt spray applications.



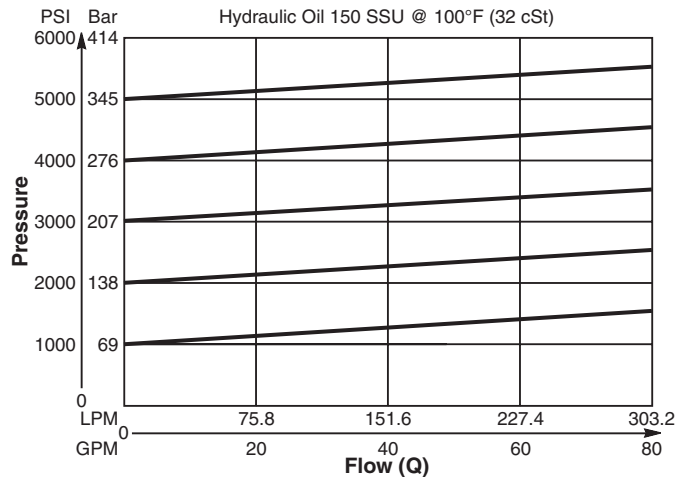
**Specifications**

<b>Maximum Flow</b>	302.8 LPM (80 GPM)
<b>Maximum Inlet Pressure</b>	380 Bar (5500 PSI)
<b>Maximum Pressure Setting</b>	350 Bar (5000 PSI)
<b>Maximum Tank Pressure</b>	350 Bar (5000 PSI)
<b>Reseat Pressure</b>	80% of crack pressure
<b>Leakage at 150 SSU (32 cSt)</b>	5 cc per 100 PSI (6.8 Bar) setting
<b>Cartridge Material</b>	All parts steel. All operating parts hardened steel.
<b>Operating Temp. Range (Ambient)</b>	-40°C to +93.3°C (Nitrile) (-40°F to +200°F) -31.7°C to +121.1°C (Fluorocarbon) (-25°F to +250°F)
<b>Fluid Compatibility/ Viscosity</b>	Mineral-based or synthetic with lubricating properties at viscosities of 45 to 2000 SSU (6 to 420 cSt)
<b>Filtration</b>	ISO Code 16/13, SAE Class 4 or better
<b>Approx. Weight</b>	0.9 kg (2.0 lbs.)
<b>Cavity</b>	C16-2 (See BC Section for more details)
<b>Form Tool</b>	Rougher None Finisher NFT16-2F

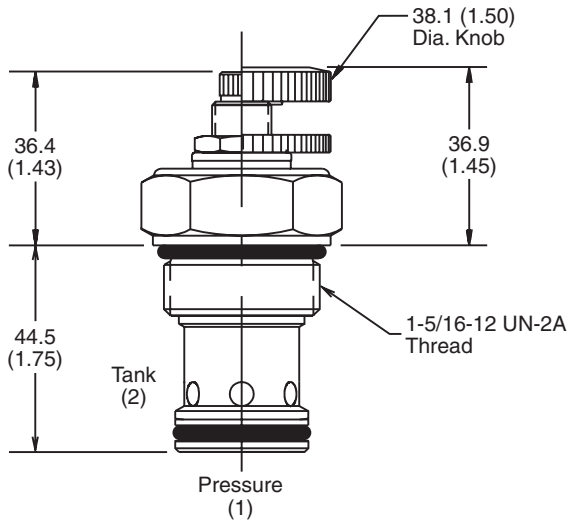
**Performance Curve**

**Flow vs. Inlet Pressure**

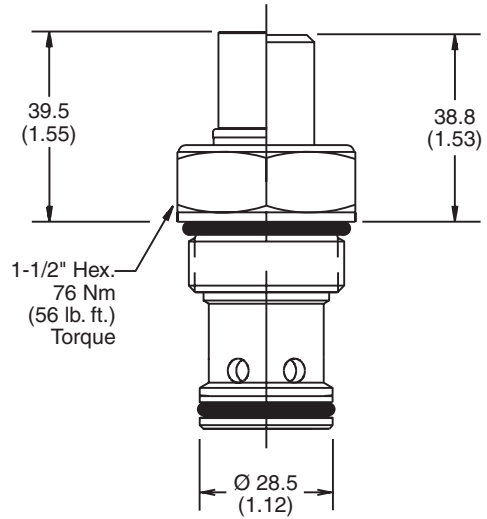
(Pressure rise through cartridge only)



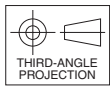
**Dimensions** Millimeters (Inches)



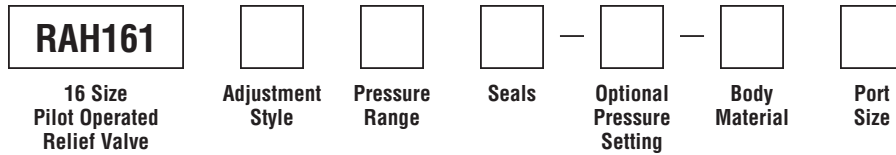
**Screw/Knob Version**



**Fixed Cap/Tamper Resistant Version**



**Ordering Information**



Code	Adjustment Style / Kit No.
F	Fixed style, preset at factory.
K	Knob Adjust (717784-15)
S	Screw Adjust
T	Tamper Resistant Cap (717785)

Code	Seals / Kit No.
Omit	Nitrile / (SK16-2)
V	Fluorocarbon / (SK16-2V)

Code	Body Material
Omit	Steel
A	Aluminum

Code	Pressure Range
10	6.9 - 69 Bar (100 - 1000 PSI) Standard Setting: 34.5 Bar (500 PSI) @ 37.5 LPM (10 GPM)
20	13.8 - 138 Bar (200 - 2000 PSI) Standard Setting: 69 Bar (1000 PSI) @ 37.5 LPM (10 GPM)
30	20.7 - 207 Bar (300 - 3000 PSI) Standard Setting: 103.5 Bar (1500 PSI) @ 37.5 LPM (10 GPM)
50	34.5 - 345 Bar (500 - 5000 PSI) Standard Setting: 172.4 Bar (2500 PSI) @ 37.5 LPM (10 GPM)

Optional Pressure Setting
Pressure $\pm$ 10 i.e. 235 = 2350 PSI (Omit if standard setting is used) Setting Range: 100 to 5000 PSI All settings at 37.5 LPM (10 GPM)

Code	Port Size	Body Part No.
Omit	Cartridge Only	
12P	3/4" NPTF	(B16-2-*12P)
16P	1" NPTF	(B16-2-*16P)
8T	SAE-8	(B16-2-*8T)
12T	SAE-12	(B16-2-*12T)
16T	SAE-16	(B16-2-*16T)
12B	3/4" BSPG	(B16-2-12B)†
16B	1" BSPG	(B16-2-*16B)

\* Add "A" for aluminum, omit for steel.  
 † Steel body only.



**Technical Information**

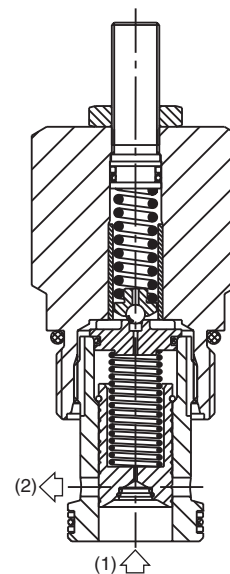
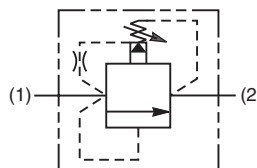
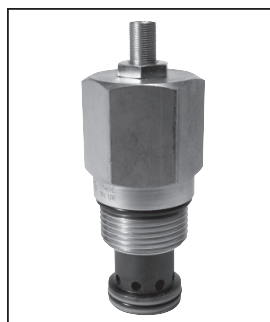
- CV** Check Valves
- SH** Shuttle Valves
- LM** Load/Motor Controls
- FC** Flow Controls
- PC** Pressure Controls
- LE** Logic Elements
- DC** Directional Controls
- MV** Manual Valves
- SV** Solenoid Valves
- PV** Proportional Valves
- CE** Coils & Electronics
- BC** Bodies & Cavities
- TD** Technical Data

**General Description**

Pilot Operated, Spool-Type Relief Valve. For additional information see Technical Tips on pages PC1-PC6.

**Features**

- Very high flow capacity
- Minimal pressure variation with flow change
- Full tank line back pressure capability, ideal for crossline relief applications
- Integral 250 micron pilot flow filter
- Hardened working parts for maximum durability
- Adjustable and tamperproof versions available
- All external parts zinc plated



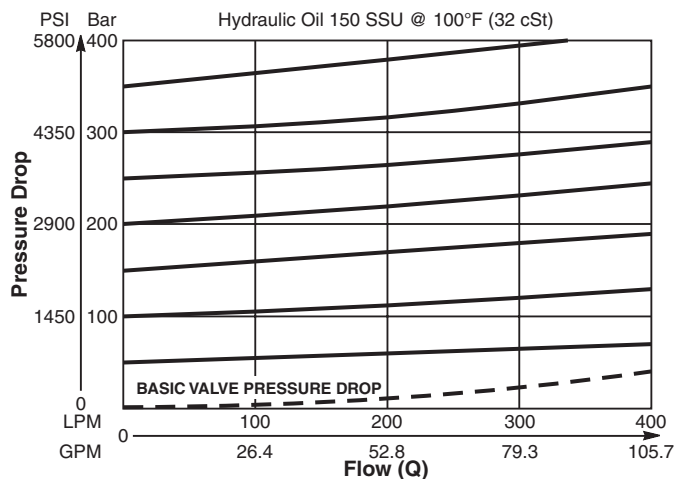
**Specifications**

<b>Rated Flow</b>	400 LPM (106 GPM)
<b>Maximum Inlet Pressure</b>	H - 10-210 Bar (145-3000 PSI) P - 10-420 Bar (145-6000 PSI)
<b>Maximum Pressure Setting</b>	420 Bar (6000 PSI)
<b>Maximum Tank Pressure</b>	420 Bar (6000 PSI)
<b>Leakage at 150 SSU (32 cSt)</b>	100 ml/min. @ 100 Bar (1450 PSI)
<b>Cartridge Material</b>	All parts steel. All operating parts hardened steel.
<b>Operating Temp. Range/Seals</b>	-40°C to +93.3°C (Nitrile) (-40°F to +200°F) -31.7°C to +121.1°C (Fluorocarbon) (-25°F to +250°F)
<b>Fluid Compatibility/Viscosity</b>	Mineral-based or synthetic with lubricating properties at viscosities of 45 to 2000 SSU (6 to 420 cSt)
<b>Filtration</b>	ISO Code 16/13, SAE Class 4 or better
<b>Approx. Weight</b>	0.57 kg (1.26 lbs.)
<b>Cavity</b>	C16-2 (See BC Section for more details)
<b>Form Tool</b>	Rougher None Finisher NFT16-2F

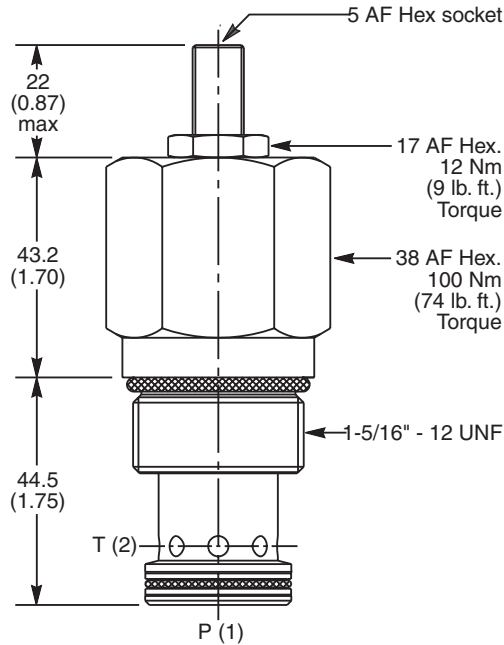
**Performance Curve**

(Pressure rise through cartridge only)

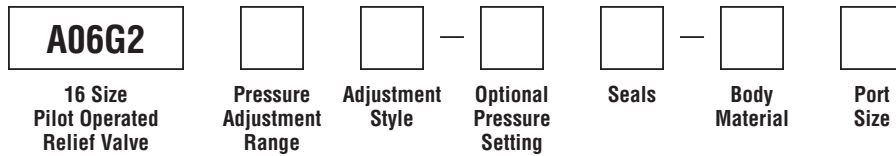
**Flow vs. Inlet Pressure**



**Dimensions** Millimeters (Inches)



**Ordering Information**



Code	Pressure Adjustment Range
H	10 - 210 Bar (145 - 3000 PSI)
P	10 - 420 Bar (145 - 6000 PSI)

Code	Seals / Kit No.
N	Nitrile, Buna-N (Std.) / (SK30507N-1)
V	Fluorocarbon / (SK30507V-1)

Code	Body Material
Omit	Steel
A	Aluminum

Code	Adjustment Style / Kit No.
Z	Screw Adjust (Std.)
W	Knob Adjust
T	Tamper Resistant Cap (TC1130)

Code	Port Size	Body Part No.
Omit	Cartridge Only	
12P	3/4" NPTF	(B16-2-*12P)
16P	1" NPTF	(B16-2-*16P)
8T	SAE-8	(B16-2-*8T)
12T	SAE-12	(B16-2-*12T)
16T	SAE-16	(B16-2-*16T)
12B	3/4" BSPG	(B16-2-12B)†
16B	1" BSPG	(B16-2-*16B)

Optional Pressure Setting	
Specify setting if required (Bar)	
<b>A06G2H</b> Standard Setting: 100 Bar (1450 PSI) @ 15 LPM (4.0 GPM)	
<b>A06G2P</b> Standard Setting: 200 Bar (2900 PSI) @ 15 LPM (4.0 GPM)	

\* Add "A" for aluminum, omit for steel.  
 † Steel body only.

**Technical Information**

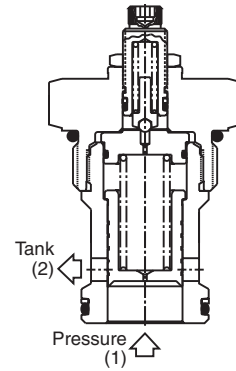
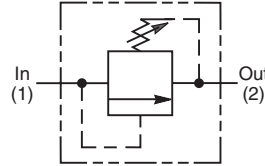
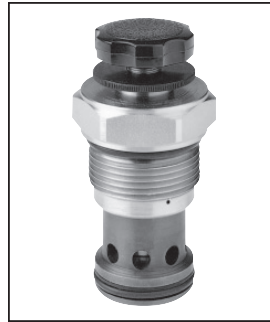
- CV** Check Valves
- SH** Shuttle Valves
- LM** Load/Motor Controls
- FC** Flow Controls
- PC** Pressure Controls
- LE** Logic Elements
- DC** Directional Controls
- MV** Manual Valves
- SV** Solenoid Valves
- PV** Proportional Valves
- CE** Coils & Electronics
- BC** Bodies & Cavities
- TD** Technical Data

**General Description**

Pilot Operated Spool-Type Relief Valve. For additional information see Technical Tips on pages PC1-PC6.

**Features**

- Low override curve
- Ball-type pilot for added stability
- High accuracy - pilot operated design
- Hardened, precision ground parts for durability
- Compact size for reduced space requirements
- All external parts have yellow zinc dichromate. This coating is ideal for salt spray applications.



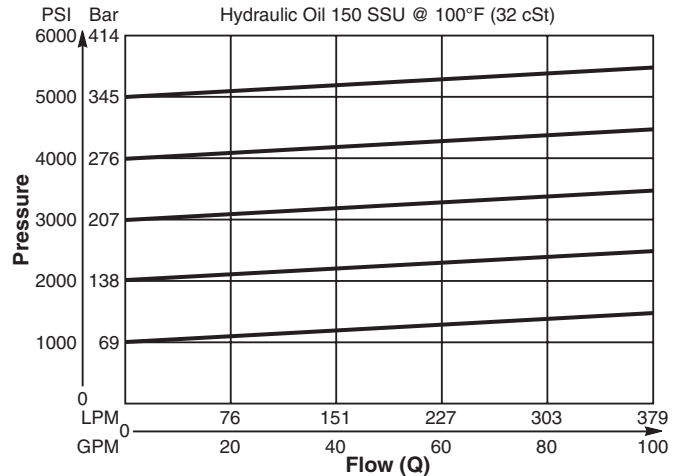
**Specifications**

<b>Rated Flow</b>	379 LPM (100 GPM)
<b>Maximum Inlet Pressure</b>	380 Bar (5500 PSI)
<b>Maximum Pressure Setting</b>	350 Bar (5000 PSI)
<b>Maximum Tank Pressure</b>	350 Bar (5000 PSI)
<b>Reseat Pressure</b>	80% of crack pressure
<b>Leakage at 150 SSU (32 cSt)</b>	5 cc per 100 PSI (6.8 Bar) setting
<b>Cartridge Material</b>	All parts steel. All operating parts hardened steel.
<b>Operating Temp. Range/Seals</b>	-40°C to +93.3°C (Nitrile) (-40°F to +200°F) -31.7°C to +121.1°C (Fluorocarbon) (-25°F to +250°F)
<b>Fluid Compatibility/Viscosity</b>	Mineral-based or synthetic with lubricating properties at viscosities of 45 to 2000 SSU (6 to 420 cSt)
<b>Filtration</b>	ISO Code 16/13, SAE Class 4 or better
<b>Approx. Weight</b>	0.9 kg (2.0 lbs.)
<b>Cavity</b>	C20-2 (See BC Section for more details)
<b>Form Tool</b>	Rougher None Finisher NFT20-2F

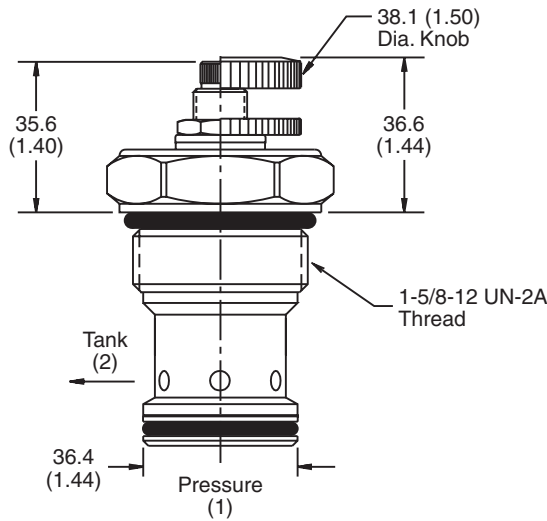
**Performance Curve**

**Flow vs. Inlet Pressure**

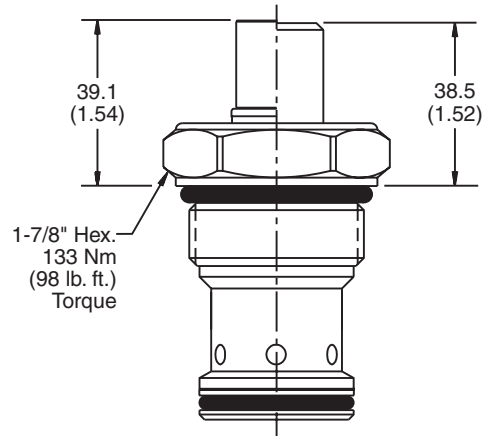
(Pressure rise through cartridge only)



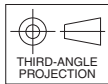
**Dimensions** Millimeters (Inches)



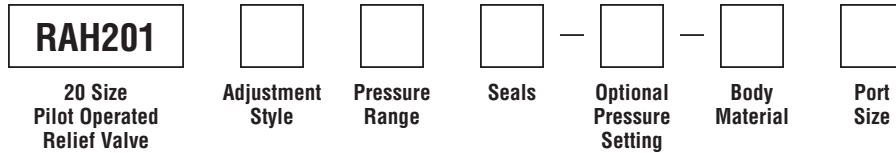
**Screw/Knob Version**



**Fixed Cap/Tamper Resistant Version**



**Ordering Information**



Code	Adjustment Style / Kit No.
F	Fixed style, preset at factory.
K	Knob Adjust (717784-15)
S	Screw Adjust
T	Tamper Resistant Cap (717785)

Code	Seals / Kit No.
Omit	Nitrile / (SK20-2)
V	Fluorocarbon / (SK20-2V)

Code	Body Material
Omit	Steel

Code	Pressure Range
10	6.9 - 69 Bar (100 - 1000 PSI) Standard Setting: 34.5 Bar (500 PSI) @ 37.5 LPM (10 GPM)
20	13.8 - 138 Bar (200 - 2000 PSI) Standard Setting: 69 Bar (1000 PSI) @ 37.5 LPM (10 GPM)
30	20.7 - 207 Bar (300 - 3000 PSI) Standard Setting: 103.5 Bar (1500 PSI) @ 37.5 LPM (10 GPM)
50	34.5 - 345 Bar (500 - 5000 PSI) Standard Setting: 172.4 Bar (2500 PSI) @ 37.5 LPM (10 GPM)

Optional Pressure Setting
Pressure $\pm$ 10 i.e. 235 = 2350 PSI (Omit if standard setting is used) Setting Range: 100 to 5000 PSI All settings at 37.5 LPM (10 GPM)

Code	Port Size	Body Part No.
Omit	Cartridge Only	
20T	SAE-20	(B20-2-20T)
20B	1-1/4" BSPG	(B20-2-20B)

**Technical Information**

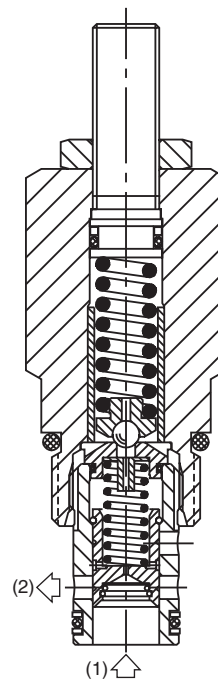
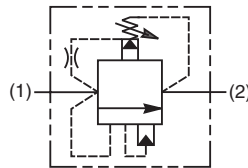
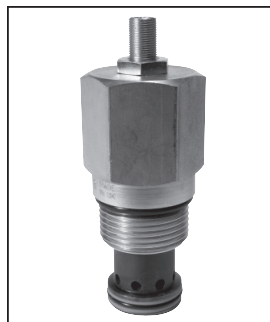
- CV** Check Valves
- SH** Shuttle Valves
- LM** Load/Motor Controls
- FC** Flow Controls
- PC** Pressure Controls
- LE** Logic Elements
- DC** Directional Controls
- MV** Manual Valves
- SV** Solenoid Valves
- PV** Proportional Valves
- CE** Coils & Electronics
- BC** Bodies & Cavities
- TD** Technical Data

**General Description**

Kick-Down, Pilot Operated Relief Valve. For additional information see Technical Tips on pages PC1-PC6.

**Features**

- High flow capacity
- Integral 250 micron pilot flow filter
- Hardened working parts for maximum durability
- Adjustable and tamper resistant versions available
- All external parts zinc plated



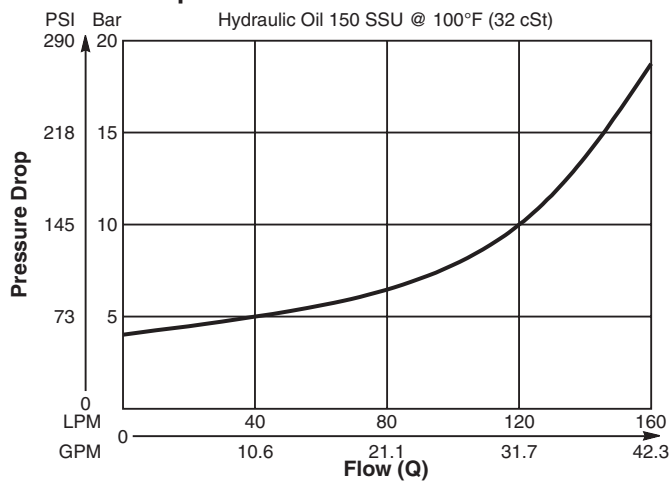
**Specifications**

<b>Rated Flow</b>	160 LPM (42 GPM)
<b>Maximum Inlet Pressure</b>	420 Bar (6000 PSI)
<b>Maximum Pressure Setting</b>	<b>H</b> - 10-210 Bar (145-3000 PSI) <b>P</b> - 10-420 Bar (144-6000 PSI)
<b>Maximum Tank Pressure</b>	420 Bar (6000 PSI)
<b>Sensitivity: Pressure/Turn</b>	<b>H</b> - 30 Bar (435 PSI) <b>P</b> - 55 Bar (800 PSI)
<b>Leakage at 150 SSU (32 cSt)</b>	25 ml/min. @ 50 Bar (725 PSI)
<b>Cartridge Material</b>	All parts steel. All operating parts hardened steel.
<b>Operating Temp. Range/Seals</b>	-40°C to +93.3°C (Nitrile) (-40°F to +200°F) -31.7°C to +121.1°C (Fluorocarbon) (-25°F to +250°F)
<b>Fluid Compatibility/Viscosity</b>	Mineral-based or synthetic with lubricating properties at viscosities of 45 to 2000 SSU (6 to 420 cSt)
<b>Filtration</b>	ISO Code 16/13, SAE Class 4 or better
<b>Approx. Weight</b>	0.29 kg (0.64 lbs.)
<b>Cavity</b>	C10-2 (See BC Section for more details)
<b>Form Tool</b>	Rougher None Finisher

**Performance Curve**

(Pressure rise through cartridge only)

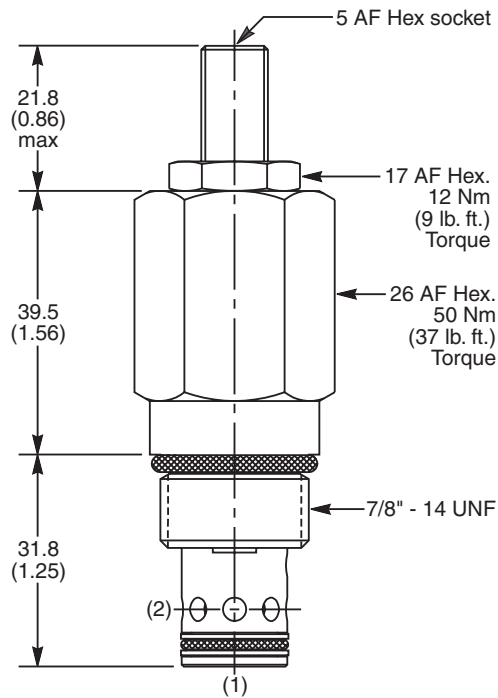
**Pressure Drop vs. Flow**



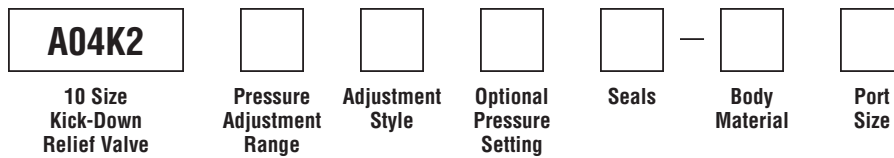
**Application Note**

Valve unloads completely when setting is reached and resets when fluid supply is removed.

**Dimensions** Millimeters (Inches)



**Ordering Information**



Code	Pressure Adjustment Range
H	10 - 210 Bar (145 - 3000 PSI)
P	10 - 420 Bar (145 - 6000 PSI)

Code	Seals / Kit No.
N	Nitrile, Buna-N (Std.) / (SK30503N-1)
V	Fluorocarbon / (SK30503V-1)

Code	Body Material
Omit	Steel
A	Aluminum

Code	Adjustment Style / Kit No.
Z	Screw Adjust (Std.)
W	Knob Adjust
T	Tamper Resistant Cap (TC1130)

Code	Port Size	Body Part No.
Omit	Cartridge Only	
4P	1/4" NPTF	(B10-2-*4P)
6P	3/8" NPTF	(B10-2-*6P)
8P	1/2" NPTF	(B10-2-*8P)
6T	SAE-6	(B10-2-*6T)
8T	SAE-8	(B10-2-*8T)
T8T	SAE-8	(B10-2-T8T)†
6B	3/8" BSPG	(B10-2-6B)†

Optional Pressure Setting	
Specify setting if required (Bar)	
<b>A04K2H</b>	Standard Setting: 100 Bar (1450 PSI)
<b>A04K2P</b>	Standard Setting: 200 Bar (2900 PSI)

\* Add "A" for aluminum, omit for steel.  
 † Steel body only.