

Control Devices Technical Data



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“ST” ASME SOFT SEAT SAFETY VALVE



- Applications: Small Air Compressors with High Flow Requirements
- Pressure Range: 25 to 350 PSI
- Set Pressure Tolerances: \pm 3% of Set Pressure
- Maximum Temperature: 250 ° F
- Construction: All Brass with Zinc Plated Music Wire Spring
- Resilient Silicone Rubber Pad Ensures Valve is Bubble Tight to within 10% of Set Pressure
- Stamped with the UV and NB Symbols
- Loc-Tite® Vibra Seal is standard
- Available Sizes: 1/8", 1/4", and 3/8"

Height	Hex	Wt.
2"	11/16"	2.0 oz

“SP” ASME SOFT SEAT SAFETY VALVE



- Applications: Compact Size Low Flow
- Pressure Range: 75, 125, 135, 150, 175, 200 PSI Only
- Set Pressure Tolerances: \pm 3% of Set Pressure
- Maximum Temperature: 250 ° F
- Construction: All Brass with 17-7 ph Stainless Steel Spring
- Resilient Silicone Rubber Pad Ensures Valve is Bubble Tight to within 10% of Set Pressure
- Stamped with the UV and NB Symbols
- Loc-Tite ® Vibra Seal Standard
- Available Size: 1/4"

Height	Hex	Wt.
1-1/2"	9/16"	1.0 oz

“SF” ASME SOFT SEAT SAFETY VALVE



- Applications: Standard Flow Capacities
- Pressure Range: 50 to 250 PSI
- Set Pressure Tolerances: \pm 3% of Set Pressure
- Maximum Temperature: 250 ° F
- Construction: All Brass with Zinc Plated Music Wire Spring
- Resilient Silicone Rubber Pad Ensures Valve is Bubble Tight to within 10% of Set Pressure
- Stamped with the UV and NB Symbols
- Loc-Tite ® Vibra Seal Standard
- Available Size: 1/2"

Height	Hex	Wt.
3-3/8"	7/8"	6.0 oz

“SB” ASME SOFT SEAT SAFETY VALVE



- Applications: High Flow Requirements
- Pressure Range: 25 to 300 PSI
- Set Pressure Tolerances: $\pm 3\%$ of Set Pressure
- Maximum Temperature: 250 °F
- Construction: All Brass with Stainless Steel Springs
- Unique O Ring Seal Ensures Valve is Bubble Tight To within 10% of Set Pressure
- Stamped with the UV and NB Symbols
- Available Sizes: 1/2", 3/4"

Model	Height	Hex	Wt.
SB50	3.59"	1-1/16	8 oz
SB75	3.59"	1-1/16	9.6 oz

“SW” ASME SOFT SEAT SAFETY VALVE



- Applications: High Flow Requirements
- Pressure Range: 25 to 300 PSI
- Set Pressure Tolerances: $\pm 3\%$ of Set Pressure
- Maximum Temperature: 250 °F
- Construction: All Brass with Stainless Steel Springs
- Unique O Ring Seal Ensures Valve is Bubble Tight to within 10% of Set Pressure
- Stamped with the UV and NB Symbols
- Available Sizes: 1", 1-1/4"

Model	Height	Hex	Wt.
SW10	4.39"	1-5/8"	1.7 Lb.
SW12	4.39"	1-5/8"	1.9 Lb.

“SCB” ASME SOFT SEAT SAFETY VALVE



- Applications: High Flow Requirements
- Pressure Range: 50 to 300 PSI
- Set Pressure Tolerances: $\pm 3\%$ of Set Pressure
- Maximum Temperature: 300 °F
- Construction: All Brass with Stainless Steel Springs
- Unique O Ring Seal Ensures Valve is Bubble Tight to within 10% of Set Pressure
- Stamped with the UV and NB Symbols
- Available Sizes: 1/2" x 3/4" and 3/4" x 1"

Height	Hex	Wt.
4.53"	1-7/16	1.3 Lb.
4.62"	1-3/8	1.3 Lb.

“SA” ASME HARD SEAT SAFETY VALVE



- Applications: Higher Temperature i.e. After coolers & Intercoolers
- Pressure Range: 50 to 350 PSI
- Set Pressure Tolerances: ± 3% of Set Pressure
- Maximum Temperature: 350 ° F
- Construction: All Brass with 17-7 ph Stainless Steel Spring and Stainless Steel Ball Seating on Brass Seat
- Stamped with UV and NB Symbols
- Loc-Tite ® Vibra Seal Standard
- Available Sizes: 1/8", 1/4", 3/8"

Height	Hex	Wt.
2-1/8"	11/16"	2.5 oz

“SN” ASME HARD SEAT SAFETY VALVE



- Applications: Higher Temperature i.e. After coolers & Intercoolers
- Pressure Range: 50-350 PSI
- Set Pressure Tolerances: ±3% of Set Pressure
- Maximum Temperature: 350 ° F
- Construction: All Brass with 17-7 ph Stainless Steel Spring and Stainless Steel Ball Sealing on Brass Seat
- Stamped with UV and NB Symbols
- Loc-Tite ® Vibra Seal Standard
- Available Size: 1/2"

Height	Hex	Wt.
3.49"	7/8"	6.4 oz

“NP” NON CODE SAFETY VALVE



- Applications: Non Code Compact Size Low Flow Requirements
- Pressure Range: 25 to 250 PSI
- Maximum Temperature: 250 ° F
- Construction: All Brass with Stainless Steel Spring Silicone Rubber Seat
- Resilient Pad Ensures Valve is Bubble Tight to within 10% of Set Pressure
- Loc-Tite ® Vibra Seal Standard
- Available Sizes: NP12 1/8", NP25 1/4"

Part No	Height	Hex	Wt.
NP12	1-1/2"	9/16"	1.0 oz
NP25	1-9/32"	9/16"	1.0 oz

"NC" NON CODE SAFETY VALVE



- Applications: Non Code Safety Valve
- Field Adjustable
- Knurled Thumbscrew & Jam Nut Make Adjustments Easy & Repeatable
- Pressure Range: 25 to 200 PSI
- Maximum Temperature: 250 °F
- Construction: All Brass with Zinc Plated Music Wire Spring and Silicone Rubber Seal
- Loc-Tite ® Vibra Seal Standard
- Available Size: 1/4"

Height	Hex	Wt.
1-5/8"	9/16"	1.5 oz

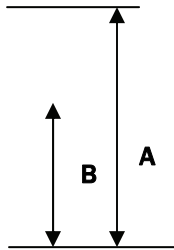
Part No.	PSI Range
NC25-001	Adjustable 25-50
NC25-002	Adjustable 51-100
NC25-003	Adjustable 101-150
NC25-004	Adjustable 151-200



**SUPER CHEK® IN TANK CHECK VALVES
“ P ” SERIES (Female Pipe Inlet)**



- Construction: One Piece Brass Body
Stainless Steel Springs Glass Filled Fluoropolymer Poppets For Long Term Reliability
- 8 Discharge Holes for Quiet Operation
- Can be Disassembled for Cleaning & Repair
- Valves are 100% Tested for Backflow Leakage Performance
- Maximum Pressure: 450 PSI
- Maximum Temperature: 400° F
- 1/8" Tapped Port is Standard
- Loc-Tite ® Vibra Seal Standard
- See Price List for Repair Parts



Part NO.	FPT Inlet (In)	MPT Outlet (In)	HEX (In)	Dim (A) (In)	Dim (B) (In)	Max Flow Rate	Wt (oz)
P3838T	3/8	3/8	3/16	2	1-1/8	12 SCFM	3
P3850T	3/8	1/2	7/8	2-3/4	1-7/8	20 SCFM	3.8
P5050T	1/2	1/2	1	3	1-7/8	20 SCFM	5.5
P5075T	1/2	3/4	1-1/8	3-1/2	2-1/2	30 SCFM	6.5
P7575T	3/4	3/4	1-3/16	3-1/4	2-1/4	30 SCFM	7.2
P7510T	3/4	1	1-5/16	3-1/2	2-1/2	60 SCFM	11.4
P7515T	3/4	1-1/2	2-1/4	4-1/2	3-1/2	150 SCFM	24
P1010T	1	1	1-1/2	3-7/8	2-5/8	60 SCFM	12.5
P1212T	1-1/4	1-1/4	1-7/8	4-7/16	3-1/4	130 SCFM	17.5
P1515T	1-1/2	1-1/2	2-1/4	4-1/2	3-1/2	150 SCFM	30

**SUPER CHEK® IN TANK CHECK VALVES
“ F ” SERIES (Flared Fitting)**



- Construction: One Piece Brass Body
Stainless Steel Springs Glass Filled Fluoropolymer Poppets for Long Term Reliability
- 8 Discharge Holes for Quiet Operation
- Can be Disassembled for Cleaning & Repair (See Price List for Spare Parts)
- Valves are 100% Tested for Backflow Leakage Performance
- Loc-Tite ® Vibra Seal Standard

- Maximum Pressure: 450 PSI
- Maximum Temperature: 400° F
- 1/8" Tapped Port is Standard

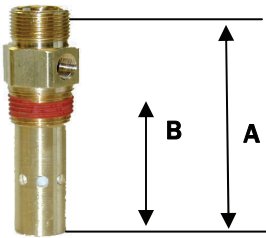
Model	Hex	Dim (A)	Dim (B)	Max Flow Rate	Wt. (oz)
F5050T	7/8	2-11/16	1-3/8	20 SCFM	3.5
F7575T		2-7/16			

**SUPER CHEK® IN TANK CHECK VALVES
"C" SERIES (Compression Fitting)**



- Construction: One Piece Brass Body Stainless Steel Springs Glass Filled Fluoropolymer Poppets for Long Term Reliability
- 8 Discharge Holes for Quiet Operation
- Can be Disassembled for Cleaning & Repair (See Price List for Repair Parts)
- Valves are 100% Tested for Backflow Leakage Performance
- Maximum Pressure: 450 PSI
- Maximum Temperature: 400° F
- 1/8" Tapped Port is Standard
- Loc-Tite ® Vibra Seal Standard
- See Price List for Repair Parts

COMPRESSION FITTING INLET 'C' SERIES



Model	Tube Inlet (In)	MPT Outlet (In)	Hex (In)	Dim (A) (In)	Dim (B) (In)	Max Flow Rate	Wt. (oz)
C3838	3/8	3/8	11/16	1-7/8	1-3/16	12 SCFM	1.5
C3850T	3/8	1/2	7/8	2-7/8	1-7/8	20 SCFM	4.2
C5038TA	1/2	3/8	11/16	2-1/4	1-3/16	12 SCFM	1.5
C5050T	1/2	1/2	7/8	2-7/8	1-7/8	20 SCFM	4.2
C7550T	3/4	1/2	7/8	2-7/8	1-7/8	20 SCFM	4.2
C7575T	3/4	3/4	1-1/8	3-1/2	2-3/8	30 SCFM	7.4
C7510T	3/4	1	1-5/16	3-3/4	2-5/8	60 SCFM	11.5

LOAD GENIES 'CA' & 'PA'



"CA"



"PA"

- Size the Load Genie to Match the Compressor Flow
- As the Compressor Discharge Pressure Increases the Flow Capacity Decreases
- If the Flow Capacity Drops Below the Minimum Rated Flow of the Load Genie the Valve will React as if the Compressor has Stopped and Will Vent the Discharge Line . Size the Load Genie Towards the Maximum End of the Rated Flow Range
- Maximum Pressure 250 PSI
- Loc-Tite ® Vibra Seal Standard

Model	Inlet Tube (In)	Outlet MPT (In)	Min/Max Flow	Hex (In)	Length (In)	Wt. (oz)
CA-6	3/8	1/4	1 TO 6	3/4	1-9/16	2
CA-12	1/2	3/8	3 TO 12	13/16	1-11/16	2.5
CA-24	3/4	1/2	8 TO 24	1	2-1/8	5
CA-48	3/4	3/4	15 TO 48	1-3/16	2-3/16	6
PA-6	1/4	1/4	1 TO 6	3/4	1-3/4	2.5
PA-12	3/8	3/8	3 TO 12	13/16	1-13/16	3
PA-24	1/2	1/2	8 TO 24	1	2-1/4	6
PA-48	3/4	3/4	15 TO 48	1-3/16	2-3/8	8

*PA Inlet is FPT

IN LINE CHEK® VALVES VERTICAL "IC" SERIES



- Applications: Compressor Applications
Where an In Tank check Valve Will Not Fit, the IC Valve Can Conveniently be Installed Right in the Discharge Line of the Compressor
- Created Around Super Chek® Design
 - Construction: Brass Body Glass Filled Fluoropolymer Poppets and Stainless Steel Springs for Long Life
 - See Price List for Repair Parts
 - A Plugged 1/8 NPT Unloader Port is Standard on the 1/2" & 3/4" Models
 - Maximum Pressure 450 PSI
 - Maximum Temperature: 400 °F

Part No.	FPT Inlet/Outlet (In)	Hex	Length	Recommended Max Flow Rate	Wt. (oz)
IC50	1/2	1	2.82	20	7.0
IC75	3/4	1-1/4	3.54	30	13

IN LINE CHEK® VALVES "M" SERIES



- Applications: Tank Check Valves for Small Air Compressors or Components in Pneumatic Circuits
- Pressure Range: 250 psi
- Maximum Temperature: 250 °F
- Construction: Brass Body with Viton® O Rings, Brass Poppet and Washer, Stainless Steel Spring
- Bubble Tight Sealing capabilities at Low Pressure Drops
- Loc-Tite® Vibra Seal Standard

Model	Inlet	Outlet	Hex (In)	Length (In)	Flow Rate	Wt (oz)
M2525	1/4 MPT	1/4 MPT	9/16	1.89	9 SCFM	1.0
P2525	1/4 FPT	1/4 MPT	11/16	2.00	9 SCFM	1.5

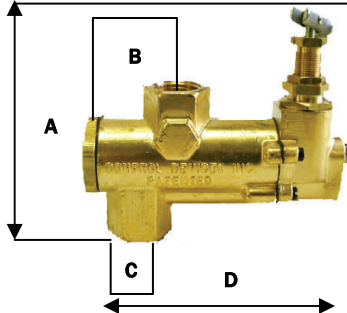
IN LINE CHEK® VALVES VERTICAL OR HORIZONTAL "CB" SERIES



- Applications: Air Compressor Discharge Lines
- Pressure Range: 250 psi
- Maximum Temperature: 450 °F
- Cracking Pressure: 3 PSI
- Construction: Extra Heavy Cast Brass Body Glass Filled Fluoropolymer Poppets and Corrosion Resistant Stainless Steel Springs to Ensure Long Life
- A Plugged 1/8 NPT Unloader Port is Standard
- See Price List for Repair Parts

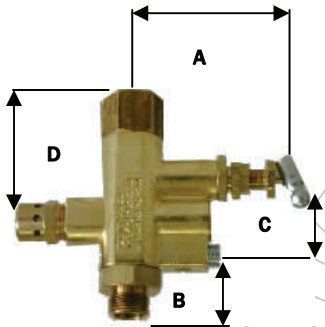
Part No.	FPT Inlet (In)	Length (In)	Height (In)	Width (In)	Recommend Max Flow Rate SCFM	Wt.
CB08	1/8	1-3/4	1-5/8	27/32	12	6.0 oz
CB25	1/4	1-3/4	1-5/8	27/32	12	6.0 oz
CB38	3/8	2-3/16	1-7/8	1-7/8	22	9.0 oz
CB50	1/2	2-1/2	2-1/8	2-1/8	38	13.0 oz
CB75	3/4	2-7/8	2-1/2	2-1/2	60	1.25 lb
CB10	1	3-1/2	2-7/8	2-1/8	115	1.75 lb
CB12	1-1/4	3-7/8	3-1/8	2-1/4	160	2.50 lb
CB15	1-1/2	4-1/8	3-7/16	2-1/4	160	2.75 lb
CB20	2	4-1/2	3-7/8	2-3/4	220	3.75 lb

LOAD GENIE MARK II LGM 20 SERIES



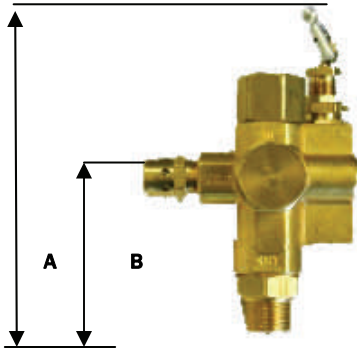
- Application: Self Contained Unloading Valve
Can Be Used Wherever a Continuous Run Air Compressor Is Required
- Combines All Components Required for Continuous Run Compressors: Pilot Valve, Vent Valve and Check Valve
- Eliminates the Need for Built in Head Unloaders
- Easy Installation: Install the Mark II in the Discharge Line Between the Compressor and the Air Receiver
- Factory Preset
Cut In : Cut Out: Pressure (Standard) 95 - 115 (Optional High Pressure) 145 - 175
Minimum Cut In: 60 PSI
Maximum Cut Out: 250 PSI
Can be Field Adjusted
- Construction: Forged Brass Body, Brass & Zinc Plated Steel Internal Components, Stainless Steel Springs and Glass Filled Fluoropolymer Poppet
- Tapped & Plugged 1/8" Port for Throttle Control of a Gas Engine
- 1/8" NPT Tapped Port for Pressure Switch Unloader Valve and Vent Port Muffler
- A Toggle Unloading Lever for One Hand Warm Up Control
- Suitable for Compressors Up to 20 SCFM
- Optional 3/8 Muffler M20053

LOAD GENIE MARK III LGM 30 SERIES



- Application: Self Contained Unloading Valve
Can Be Used Wherever a Continuous Run Air Compressor Is Required
- Combines All Components Required for Continuous Run Compressors: Pilot Valve, Vent Valve and Check Valve
- Eliminates the Need for Built in Head Unloaders
- Easy Installation: Install the Mark III into the Receiver and Attach the Compressor Discharge Line to the Valve Inlet
- Factory Preset
Cut- In : Cut- Out: Pressure (Standard) 95 - 115 (Optional High Pressure) 145 - 175
Minimum Cut- In: 60 PSI
Maximum Cut- Out: 250 PSI
Can be Field Adjusted
- Construction: Forged Brass Body, Zinc Plated Steel Internal Components Fluorocarbon Piston Ring, Stainless Steel Springs and a Glass Filled Fluoropolymer Check Valve Poppet
- Tapped & Plugged 1/8" Port for Throttle Control of a Gas Engine
- 1/8" NPT Tapped Port for Pressure Switch Unloader Valve and Vent Port Muffler
- A Toggle Unloading Lever for One Hand Warm Up Control
- Suitable for compressor Up to 30 SCFM
- Equipped with M20053 3/8" Muffler
- Optional Inlet and Outlet Ports Available— Consult Price List

**LOAD GENIE MARK IV
LGM 40 SERIES**



- Application: Self Contained Unloading Valve
Can Be Used Wherever a Continuous Run Air Compressor Is Required
- Combines All Components Required for Continuous Run Compressors:
Pilot Valve, Vent Valve and Check Valve
- Eliminates the Need for Built in Head Unloaders
- Easy Installation: Install the Mark IV into the Receiver and
Attach the Compressor Discharge Line to the Valve Inlet
- Compact Design Incorporates Both a Straight (LGM40A) & Optional 90 Degree Inlet
(LGM40C) Flow Design
- Factory Preset
Cut- In: Cut- Out: Pressure (Standard) 95 - 115 (Optional High Pressure) 145 - 175
Minimum Cut- In: 60 PSI
Maximum Cut- Out: 250 PSI
Can be Field Adjusted
- Construction: Forged Brass Body, Zinc Plated Steel Internal Components Fluorocarbon
Piston Ring, Stainless Steel Springs and a Glass Filled Fluoropolymer Check Valve Poppet
- Tapped & Plugged 1/8" Port for Throttle Control of a Gas Engine
- 1/8" NPT Tapped Port for Pressure Switch Unloader Valve and Vent Port Muffler
- A Toggle Unloading Lever for One Hand Warm Up Control
- Suitable for compressor Up to 30 SCFM
- Equipped with M20053 3/8" Muffler
- Optional Inlet and Outlet Ports Available— Consult Price List

Model No.	Dimensions (A)	Dimensions (B)	Dimensions (C)	Dimensions (D)
LGM-20	3.87	1.43	.81	4.31
LGM-30	3.28	1.65	2.10	2.21
LGM-40	4.07	2.41		

AUXILIARY UNLOADER (COLD START) CS SERIES



- Application: Bleeds Air From the Compressor Head During the First Few revolutions, Reducing Motor Starting Torque .
- Typical Applications are Oil Lubed Pumps that are Subject to Low Temperatures and Low Starting Voltages, i.e. a Contractor Unit that May Sit Outside Overnight and be Connected to a Long Extension Cord.
- Construction: Brass Piston and Body
Stainless Steel Spring and Fluorocarbon O Ring
- Available Sizes: 1/8", 1/4"



UNLOADER PILOT VALVES “P25”

- Construction: Forged Brass Body, Brass Adjustment Screws and Stainless Steel Ball and Spring
- Includes Mounting Boss Tapped with a 1/8-16 UNC Thread
- 1/4” NPT Inlet, 1/8” NPT Outlet.
- Unloading Sleeve for Gas Engine Warm Up

- Includes Toggle Unloader and Wire Mesh Inlet Screen
- Minimum Cut- In Pressure: 60 PSI
- Maximum Cut- Out Pressure: 250 PSI
- Maximum Temperature: 350° F
- Field Adjustable

P25V Venting Unloader includes All the Features of the P25 Pilot Valve Plus a Vent Valve for Unloading the Compressor Discharge During Compressor Cut - Out

Part No.	Cut In	Cut Out	FPT Inlet	Wrench Flats	HT	Wt. (oz)
P25 95-115	95	115	1/4	3/4	3.78	6.4
P25 145-175	145	175				
P25V 95-115	95	115			3.60	8
P25V 145-175	145	175				



CARRY TANK MANIFOLDS “CTM” SERIES

- Includes a Tank Filler Valve into the Built In Shut Off Valve
- Mates to a Typical Tire Chuck for Easy Tank Pressurization
- Safety Valve is Factory Preset at 150 PSI
- Includes Tank Pressure Gauge Port
- Construction: Brass Body & Components, Stainless Steel Springs, Nitrile O Rings & Silicone Rubber Safety Valve Seals
- Loc-Tite ® Vibra Seal Standard

Inlet Male	Outlet Female	Gauge Port	Hex	OAL	Wt. (oz)
1/2	1/4	1/4	7/8	1.84	4.8



AIR COMPRESSOR MANIFOLDS “ACM” SERIES

- Applications: Suitable for Compressors 3 Hp & Smaller
- Features Built In Shut Off Valve & Safety Valve
- Includes Pressure Switch Mount & Tank Pressure Gauge Port which Allows All Control & Outlet Functions to be Connected to the 1/2 NPT Tank Port
- Stock Pressure for Safety Valve 125,135,150
- Loc-Tite ® Vibra Seal Standard

Inlet Male	Outlet Female	Gauge Port	Hex	OAL	Wt. (oz)
1/2	1/4	1/4	7/8	1.84	4.8



PRESSURE CONTROL REGULATOR "PC" SERIES

- Applications: Designed to be Installed into the Head of a Small Compressor (Less than 2Hp) Direct Drive, Tankless; Where a Variable Pressure Relief Valve is Required
- A Micrometer Type Scale Allows for Easy & Accurate Adjustment from 0-100 PSI
- Construction: Brass body & Internals, Stainless Steel Poppet with Fluorocarbon O Ring
- Nylon Knob
- Maximum Temperature: 250 °F
- Maximum Flow 6 SCFM at 100 PSI



Filler Valve "TV" SERIES

- Applications: Use Wherever a Method of Inflating a Tank with a Standard Air Chuck is Required
- Construction: Brass Valve Core with Viton ® and Teflon ®Seals
- Black Plastic Cap Included
- Maximum Temperature: 250 °F
- Maximum Pressure: 250 PSI



DRAIN COCKS "DCE" SERIES

- Applications: Compressor Receivers, Radiators and Pool Equipment Where Stem Removal is Not a Requirement.
- Construction Brass Body & Stem with Zinc Plated Steel Handle
- Maximum Pressure 200 PSI
- Maximum Temperature 200 °F
- Loc-Tite ® Vibra Seal Standard
- Available Sizes: 1/8", 1/4", 3/8", 1/2"

DRAIN COCKS (Con't)



DRAIN COCKS 'DT' SERIES

- Applications: Designed for Applications where the Traditional Drain cock is Easily Damaged
- Opens Easily and Closes with Minimum Effort
- Construction: Brass Body & Knurled Brass Stem
- Nitrile O Ring Ensures a Bubble Tight Seal
- Maximum Pressure: 200 PSI
- Maximum Temperature: 200 °F
- 1/4" Connection
- Loc-Tite ® Vibra Seal Standard

DRAIN COCK with PULL CORD "DP" & "DM" SERIES



- Applications: Industrial and Automotive
- Brass Stem Tilts to Open the Valve at Minimum Pull Cord Force
Stainless Steel Spring Returns the Stem to Positively Seal
Against the Nitrile O Ring when Force on the Cord is Release
- Construction: Brass Body, Washer and Stem
- Maximum Pressure: 200 PSI
- Maximum Temperature: 200 °F
- Loc-Tite ® Vibra Seal Standard

Part No.	Cable Length
DP25	60"
DM25	36"

THROTTLE CONTROLS

Applications: Used on Gas Engine driven Compressors to Reduce Engine Speed to Idle When the Continuous Run Control (LGM or Pilot Valve) has Reached It Cut Out Setting. Saves Fuel and Reduces Engine and Compressor Wear.

The 1/8" Inlet is Connected to the Throttle Control Port of the Vent Unloader or Connected to a "Tee" Off the Head Unloader Line for Pilot Valve Installations.

The Cable is Attached to the Appropriate Throttle Linkage on the Engine and the Cable Housing Should be Anchored Using the Supplied Cable Clamps.

During Operation the Vent Unloader or Pilot Valve Sends a Pressure Signal to the TC12 at the Cut Out Setting. Causing the TC12 Piston to Extend the Control Cable which Pushes the Throttle Lever, Causing the Engine to Idle Down.

At the Cut In Setting the Pressure Signal Going to the TC 12 is Vented, Allowing the Spring to Return the Piston Cable and Throttle Lever to the Original Full Speed Position.

- Construction: Brass Body and Piston, Nitrile O Ring and Zinc Plated Steel Spring and Retaining Ring, Vinyl Covered Steel Armored Housing with Stainless Steel Cable.
- Maximum Pressure: 250 PSI
- Minimum Pressure: 60 PSI
- Maximum Temperature: 250° F
- Loc-Tite ® Vibra Seal Standard
- Available Lengths: 12", 18", 24", 30", 36", 48"
Custom Lengths Available Consult Midwest Control
- Standard Hp Range: 2 - 7.5hp, "HD" Heavy Duty Series Available 8.5hp & Higher



Safety Valve Capacity Chart

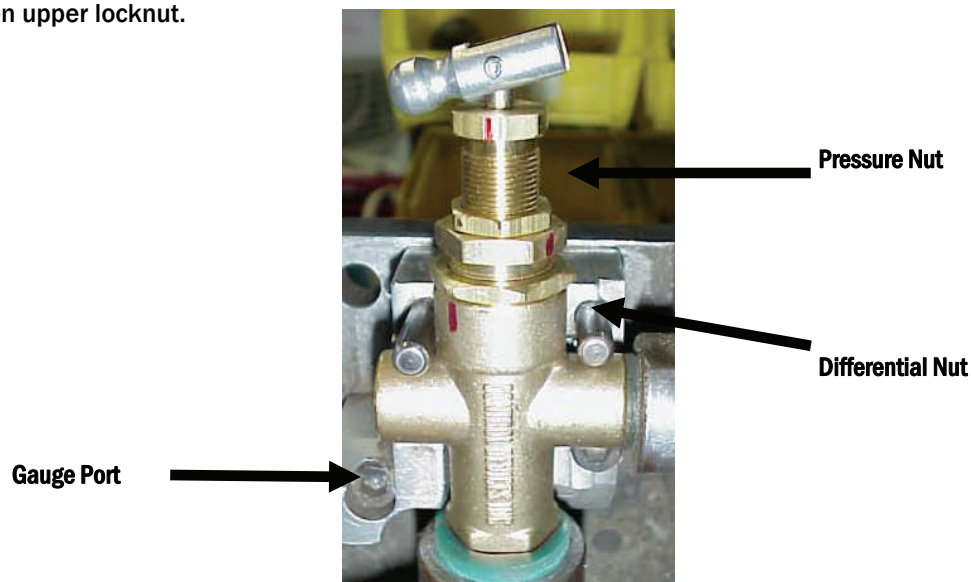
PSIG	'ST'	'SP'	'SF'	'SB'	'SW'	'SCB'	'SA'	'SN'	'NP'
25	32			140	292	138			
30	36			158	330	156			
35	40			176	368	173			
40	45			194	406	191			
45	49			213	444	209			
50	53		106	231	482	227	50	122	
55	57		115	249	520	245	54	132	
60	61		123	267	558	263	58	141	
65	65		132	285	597	281	62	151	
70	70		140	304	635	299	66	160	
75	74	27	148	322	673	317	70	170	27
80	78	28	157	340	711	335	74	180	28
85	82	30	165	358	749	353	77	189	30
90	86	31	174	376	787	371	81	199	31
95	90	33	182	395	825	389	85	209	33
100	95	34	190	413	863	407	89	218	34
105	99	36	199	431	901	424	93	228	36
110	103	37	207	449	939	442	97	237	37
115	107	39	215	467	977	460	101	247	39
120	111	40	224	486	1015	478	105	257	40
125	116	42	232	504	1053	496	109	266	42
130	120	44	241	522	1091	514	113	276	44
135	124	45	249	540	1129	532	117	286	45
140	128	47	257	558	1167	550	121	295	47
145	132	48	266	577	1205	568	125	305	48
150	136	50	274	595	1244	586	129	314	50
155	141	51	283	613	1282	586	133	324	51
160	145	53	291	631	1320	622	137	334	53
165	149	54	299	649	1358	640	140	343	54
170	153	56	308	668	1396	658	144	353	56
175	157	57	316	686	1434	675	148	363	57
180	161	59	325	704	1472	693	152	372	59
185	166	60	333	722	1510	711	156	382	60
190	170	62	341	740	1548	729	160	391	62
195	174	63	350	759	1586	747	164	401	63
200	178	65	358	777	1624	765	168	411	65

Safety Valve Capacity Chart

PSIG	'ST'	'SP'	'SF'	'SB'	'SW'	'SCB'	'SA'	'SN'	'NP'
205	182	66	367	795	1662	783	172	420	66
210	186	68	375	813	1700	801	176	430	68
215	191	69	383	831	1738	819	180	440	69
220	195	71	392	850	1776	837	184	449	71
225	199	72	400	868	1814	855	188	459	72
230	203	74	409	886	1852	873	192	468	74
235	207	75	417	904	1891	891	196	478	75
240	212	77	425	922	1929	909	200	488	77
245	216	78	434	941	1967	926	203	497	78
250	220	80	442	959	2005	944	207	507	80
255	224			977	2043	962	211	517	
260	228			995	2081	980	215	526	
265	232			1014	2119	998	219	536	
270	237			1032	2157	1016	223	545	
275	241			1050	2195	1034	227	555	
280	245			1068	2233	1052	231	565	
285	249			1086	2271	1070	235	574	
290	253			1105	2309	1088	239	584	
295	257			1123	2347	1106	243	594	
300	262			1141	2385	1124	247	603	
305	266						251	613	
310	270						255	622	
315	274						259	632	
320	278						263	642	
325	282						267	651	
330	287						270	661	
335	291						274	671	
340	295						278	680	
345	299						282	690	
350	303						286	699	

**Adjustment Procedure for All Pilot Valves (P25)
And
All Mark II, Mark III and Mark IV LGM Load Genies**

- 1) Loosen lower locknut and screw lower adjustment screw “ home”. Using a wrench, tighten lower adjustment screw about 1/4 turn past finger tight. This causes the ball to “seat” itself into the valve.
- 2) Back off the lower adjustment screw 1/2 Turn.
- 3) Loosen upper locknut.
- 4) Now run compressor to pressure. Cut-Out adjustment may be made with upper adjustment screw. (Screw in for higher cut-out, screw out for lower cut-in).
- 5) Bleed air from tank and note cut in pressure. If a greater differential (difference between cut-out and cut-in) is desired, screw the lower adjustment screw in. If a lesser differential is desired, screw the lower adjustment screw out.
- 6) Re-check cut-out pressure because adjustments made in step 5 will affect cut-out pressure setting. Adjust as necessary.
- 7) Run compressor up to cut-out pressure. If air is rapidly bleeding from around the pull ring rod, it can be often be stopped by “biasing” the adjustment screws to one side or the other with your thumb. Once the position for minimum leakage is found, hold it there and tighten lower locknut.
- 8) Tighten upper locknut.



**P25
(Shown)**