



Commercial Vehicle
Express

Engineered
products and service
to heavy-duty vehicles.

www.Gates.com.mx

THE CV PARTS YOU NEED. BUT FASTER.

FINDING THE PARTS YOU NEED FOR YOUR COMMERCIAL VEHICLES IS NOT ALWAYS A PROBLEM. BUT GETTING HOLD OF THEM FAST ENOUGH CAN BE. GATES HAS THE ANSWER AND HAS IT AS SOON AS YOU NEED IT.

When every hour a vehicle is off the road is costing you money, or when a customer is waiting for their new vehicle to be built, quick and accurate parts and product deliveries are critical.

But it's not only the delivery that is important. It's also the products and parts themselves. So Gates brings you the best of both worlds: proven, reliable, high-quality Gates CV parts, plus in stock availability and rapid delivery.



www.Gates.com.mx

Availability – at a glance

We've color-coded the product availability to save you time.

In stock

Please call
for availability

* Under normal operational circumstances

Keeping your business moving

You can't keep a business or vehicle moving with promises. You need parts and products and you need them now.

Your time is valuable. Supplying you with quick solutions is just one of the ways we provide you with a competitive advantage at Gates.

Then once you've placed your order, things move fast.

- > Intuitive browsing. Easy to use navigation helps you quickly find what you're looking for
- > Real-time pricing and availability
- > Create and save quotes
- > Paste basket options, allowing you to copy large lists of items from your purchasing system, spreadsheet, email or word document



Engineering GREAT solutions through people, products, innovation and service

Gates products are designed and manufactured to satisfy customers' varying needs with unvarying 100% quality and total reliability. Both of which have been proven over 30 years of manufacturing and supplying products to major truck and trailer manufacturers.

Extensive research, ongoing development and sizeable investment go into creating high-quality, reliable products for a range of customers: major manufacturers to smaller OEMs.

And Gates products have been created specifically for the commercial vehicle market, and most products in this catalog have DOT approval, for your safety and peace of mind.



Now the results are available to you as standard, proven products – delivered fast by Gates.

ALL THE PRODUCTS YOU NEED – AS SOON AS YOU NEED THEM

EVERY PRODUCT WE ENGINEER AND MANUFACTURE IS DESIGNED TO MEET A SPECIFIC NEED, TO SOLVE A PARTICULAR PROBLEM, TO HELP A TRUCK MANUFACTURER MAKE TRUCKS AND TRAILERS MORE COST-EFFECTIVE, LIGHTER, AND A GREAT DEAL SMARTER. **NOW YOU CAN BENEFIT FROM THAT DESIGN AND ENGINEERING EXPERTISE FOR YOUR OWN COMMERCIAL VEHICLE.**



Cab Controls

Industry leaders in the design and manufacture of pneumatic and electronic cab controls for heavy-duty vehicles. Innovative features include DOT approved push-to-connect fittings, non-contact electrical switching and micro-processor based functions.

The compact air-seat height control valve was a new innovation upon its introduction to the CV market and Gates is now the leading brand of air valves in the North American seat market.

Other cab control products include air horn valves, electronic switches and wiper controls, all engineered for functionality, durability and reliability.

Air Management

Gates air system components are compact, rugged, and easy to install. Made from durable zinc alloy die-castings or engineering resins, they offer excellent flow characteristics and long life in the harsh, chassis-mounted environment.

Air management products include pressure protection, rapid dump, solenoid and pressure control check valves, lift axle control modules, and modular solenoid valve assemblies.

Fuel System

An industry leader in the development of fuel system products for diesel and gas powered trucks, Gates products hold a number of patents for design innovation. These include the first effective anti-spill fuel tank vent, breakaway fuel line valve and return flow splitter, as well as fuel caps which protect the fuel system in the event of rollover or fire.



PRODUCTS

CAB CONTROLS



- 11 Wiper Washer Controllers
- 12 Dash Valves
- 13 Toggle-Style Air/Electric Switches
- 14 Toggle-Style Air Switches
- 15 Flipper Control Valves
- 17 Pneumatic Seat Valves
- 20 Combination Seat Valves
- 21 Pneumatic Paddle Seat Control Valves
- 22 Combination Paddle Seat Control Valves

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AIR MANAGEMENT



- 26 Pressure Protection Valves (PPV)
- 27 Inline Pressure Protection Valves (PPV)
- 28 Lift Axle Control Modules
- 30 Fastbrake Quick Exhaust Valves
- 31 Rapid Dump Valves
- 32 DOT Vehicle Push-To Connect Fittings
- 37 Check Valves
- 38 Solenoid Valves
- 40 Solenoid Air Valves
- 42 Air Solenoid Accessory Pack

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FUEL SYSTEM



- 44 Fuel Tank Caps
- 48 Fuel Tank Vents
- 49 High-Flow Fuel Tank Vents
- 50 Return Flow Splitters
- 51 Linegard® Breakaway Valves

3 >>

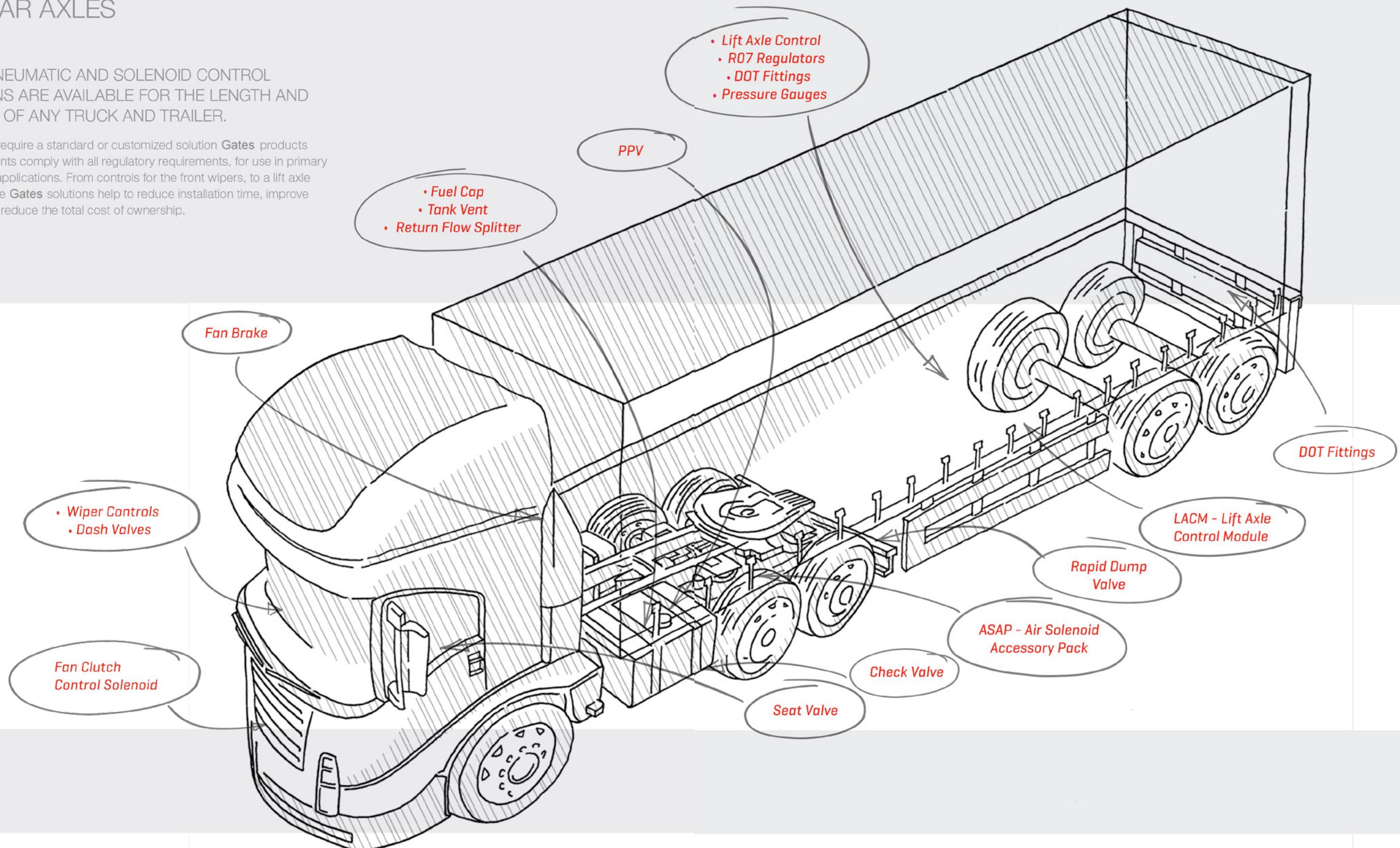
All of our products are backed with an industry leading 2-year warranty. Our dedicated team of experts is on hand with technical advice, support and recommendations to help you get the most effective products, in the shortest timescales, and with the best possible service.

Call the Express Team at **55 2000 2700**

FROM FRONT WIPERS TO REAR AXLES

GATES PNEUMATIC AND SOLENOID CONTROL
SOLUTIONS ARE AVAILABLE FOR THE LENGTH AND
BREADTH OF ANY TRUCK AND TRAILER.

Whether you require a standard or customized solution Gates products and components comply with all regulatory requirements, for use in primary and auxiliary applications. From controls for the front wipers, to a lift axle control module Gates solutions help to reduce installation time, improve reliability, and reduce the total cost of ownership.



CAB CONTROLS

INDUSTRY LEADERS IN THE DESIGN AND MANUFACTURE OF PNEUMATIC AND ELECTRONIC CONTROLS FOR HEAVY-DUTY VEHICLES. FROM AIR SWITCHES, DASH VALVES, FLIPPER VALVES, WIPER CONTROLS TO HEIGHT AND LUMBAR SEAT CONTROL VALVES, EACH PRODUCT IS ENGINEERED TO PROVIDE LONG LIFE AND RELIABLE OPERATION.

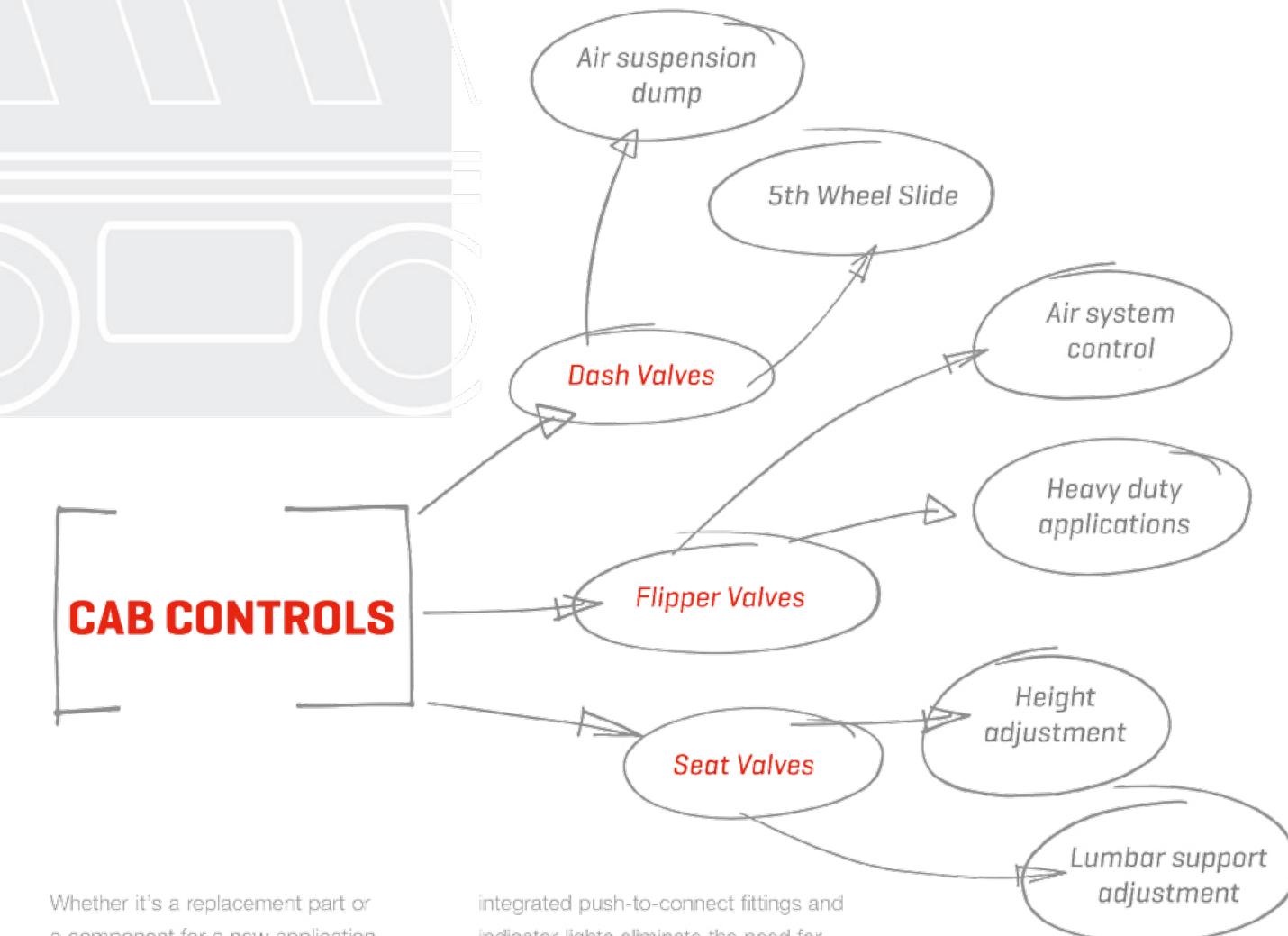


CAB CONTROLS

Whether it's a replacement part or a component for a new application, Gates offers a wide variety of cab controls suitable for commercial vehicles and off-highway applications. Compact designs minimize the use of valuable space behind the dashboard,

integrated push-to-connect fittings and indicator lights eliminate the need for additional components and reduce overall installation time.

This section includes: Wiper Controls, Dash Valves and Seat Valves.





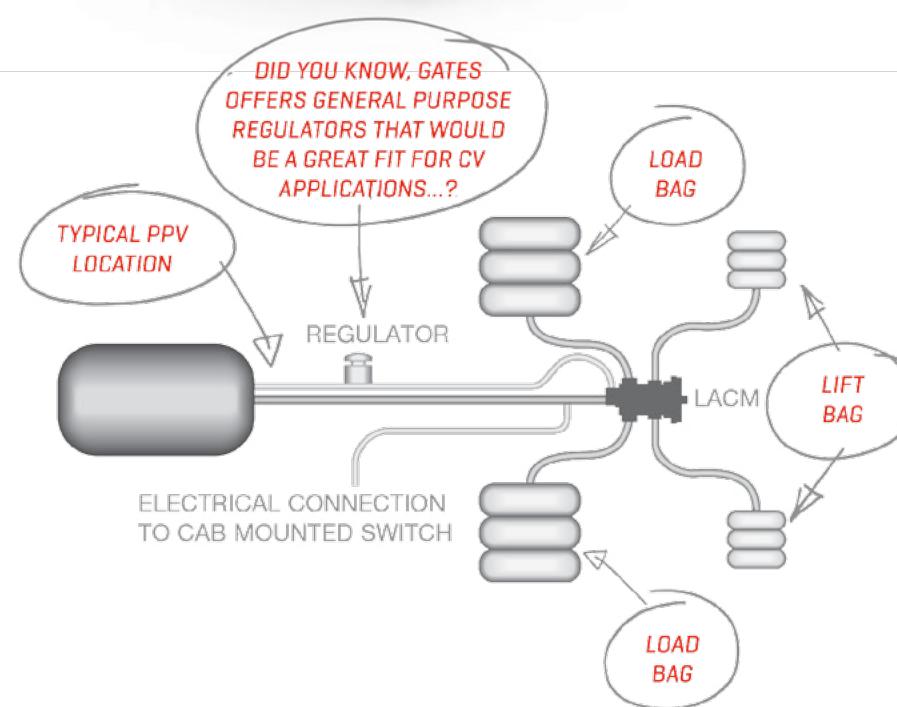
LIFT AXLE CONTROL

» CUSTOMER APPLICATION

Rapid air control of lift axles for faster deployment of lift axles for on and off road vehicles.

» GATES CV SOLUTION

- » Chassis mounted lift axle control module for heavy-duty trucks and trailers
- » Includes two industry proven brake style relay valves integrated into a single unit
- » Provides excellent flow capacity for rapid axle actuation and is available with an optional control solenoid for electric control



» CUSTOMER BENEFIT

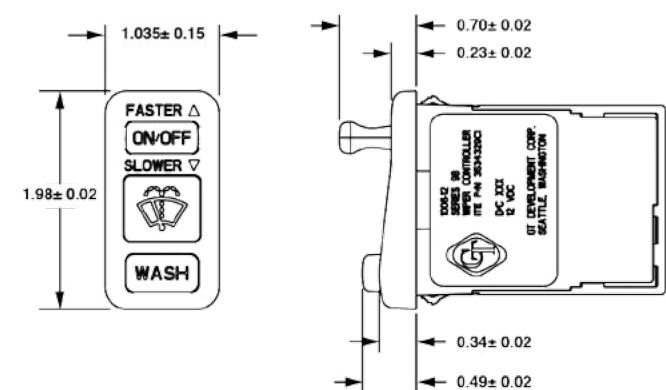
- » 50% faster response, compact design, easy installation, more economical
- » Gives full pneumatic control
- » Electronic control possible via optional control solenoid
- » After market retrofit available

Designed for installation on vehicle dashboards
Controls wiper speed and wash functions
Integrated wiper delay function
Microprocessor-based device

Technical features

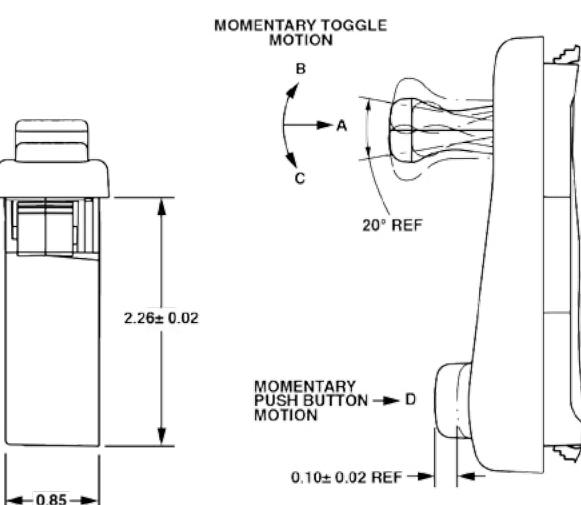
- Mounting:** Mounts into a 22mm x 44mm dashboard opening
- Operating temperature:** -20°F to +160°F (-20°C to +70°C)
- Materials:** Zytel 72G13 HSIL BK black nylon 6/6 13% glass
- Electrical connection:** 8 Pin, PCB mounted amp connector

Dimensions (Inches)



Models

Model	Nominal Voltage
1006-11	12V



3-way air valve

Designed for dashboard operation of truck air system accessories

Engineered for functionality and durability

Integral Push-to-Connect fittings (PTC)

Material used meets DOT FMVSS 302 flammability requirements

Technical data

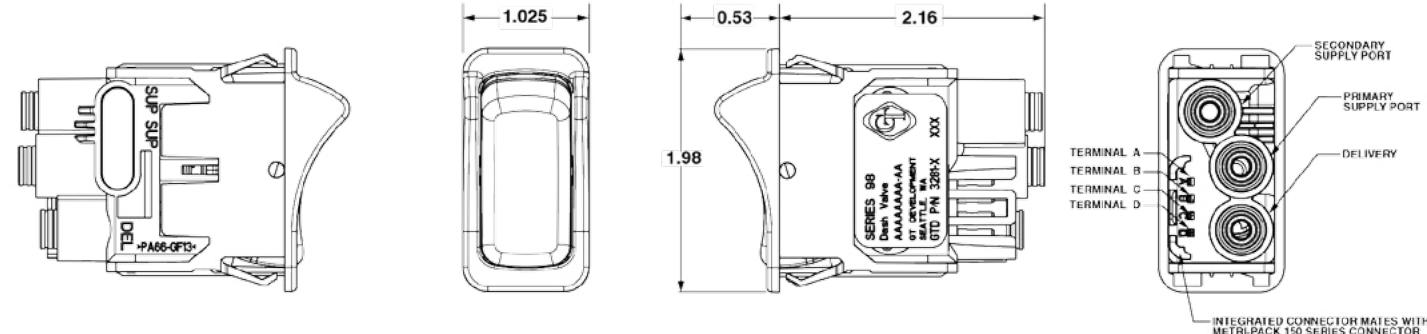
Tube O/D:
1/4"

Status lighting:
Red LED oval only

Operating pressure:
0 to 150 psi (0 to 10 bar)

Operating temperature:
-20°F to +160°F (-20°C to +70°C)

Material:
Nylon, glass filled

**Dimensions (Inches)****Models**

Model	Description	Rocker Symbol	Rocker Text
3281-1	● Inter-axle differential lock		Inter Axle
3281-2	● 5th wheel slide		5th Wheel
3281-3	● Air suspension dump		SUSP Height

Model	Description	Rocker Symbol	Rocker Text
3281-4	● Power take off		P.T.O.
3281-5	● Air intake routing		Air Intake
3281-6	● Neutral control		Neutral Control

3-way valve combined with integral pressure switch

Designed for dashboard operation of truck air system accessories

Integral Push-To-Connect fittings (PTC)

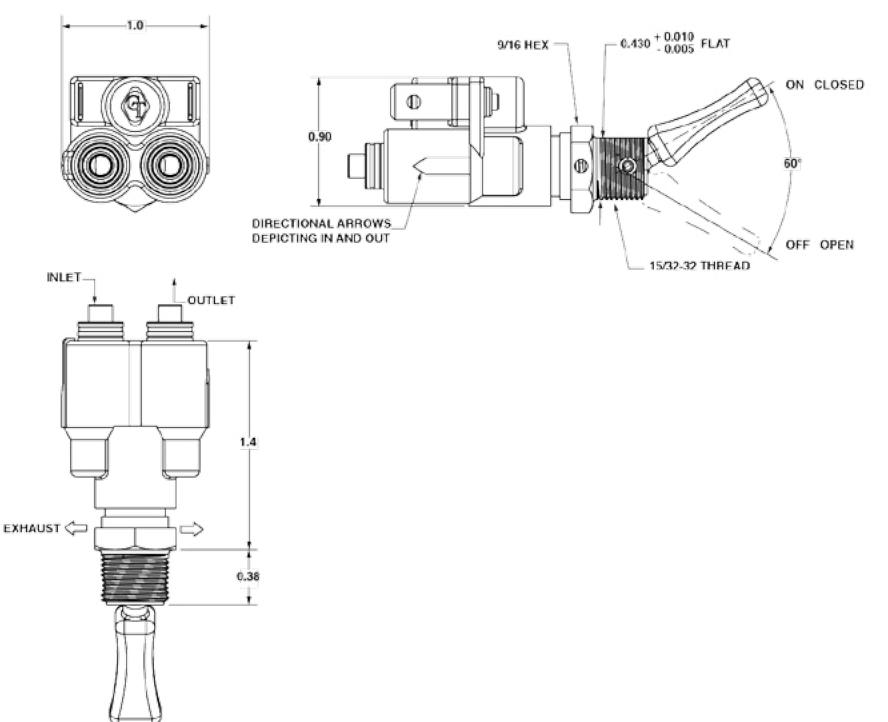
Technical data

Tube O/D:
1/4"

Electrical connection:
Two 1/4" blade type electrical terminals

Operating pressure:
0 to 150 psi (0 to 10 bar)
Operating temperature:
-20°F to +160°F (-20°C to +70°C)

Material:
Zytel, Nylon glass filled

**Dimensions (Inches)****Models**

Model	Tube O/D	Nominal Voltage
3200-1A	● 1/4"	12Vdc

Toggle-Style Air Switch
3202-1A

3-way air valve

Designed for dashboard operation
of truck air system accessories

Heavy-duty switch

Integral Push-To-Connect fittings (PTC)

Technical data

Operating pressure:
0 to 150 psi (0 to 10 bar)

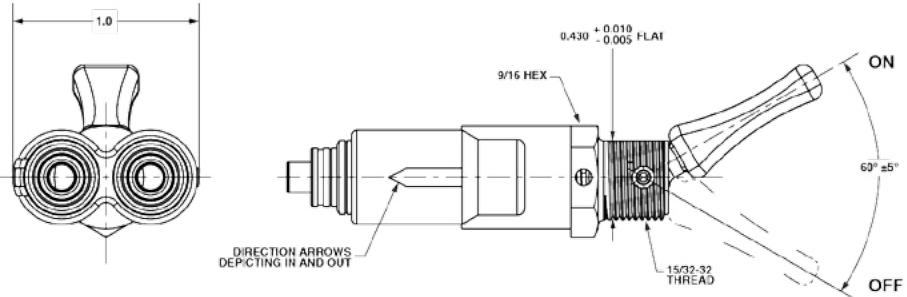
Operating temperature:
-20°F to +160°F (-20°C to +70°C)

Material:

Zytel, Nylon glass filled

Tube O/D:
1/4"

Dimensions (Inches)



Models

Model	Tube O/D
3202-1A	1/4"



3-way air valve combined with
integral pressure switch

Designed for dashboard operation of
truck air system accessories

Engineered for functionality and durability

Integral Push-To-Connect fittings (PTC)

Technical data

Operating pressure:
0 to 150 psi (0 to 10 bar)

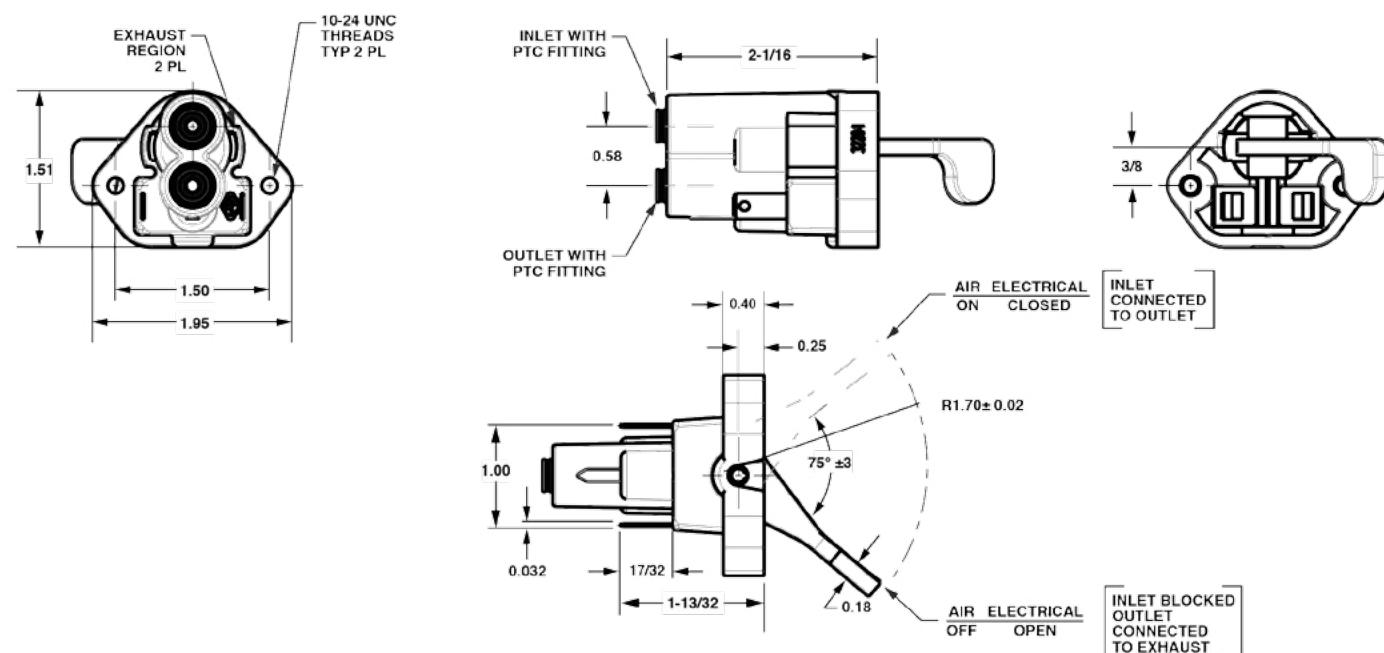
Operating temperature:
-20°F to +160°F (-20°C to +70°C)

Tube O/D:

1/4"

Electrical connection:
Two 1/4" blade type electrical terminals

Dimensions (Inches)



Models

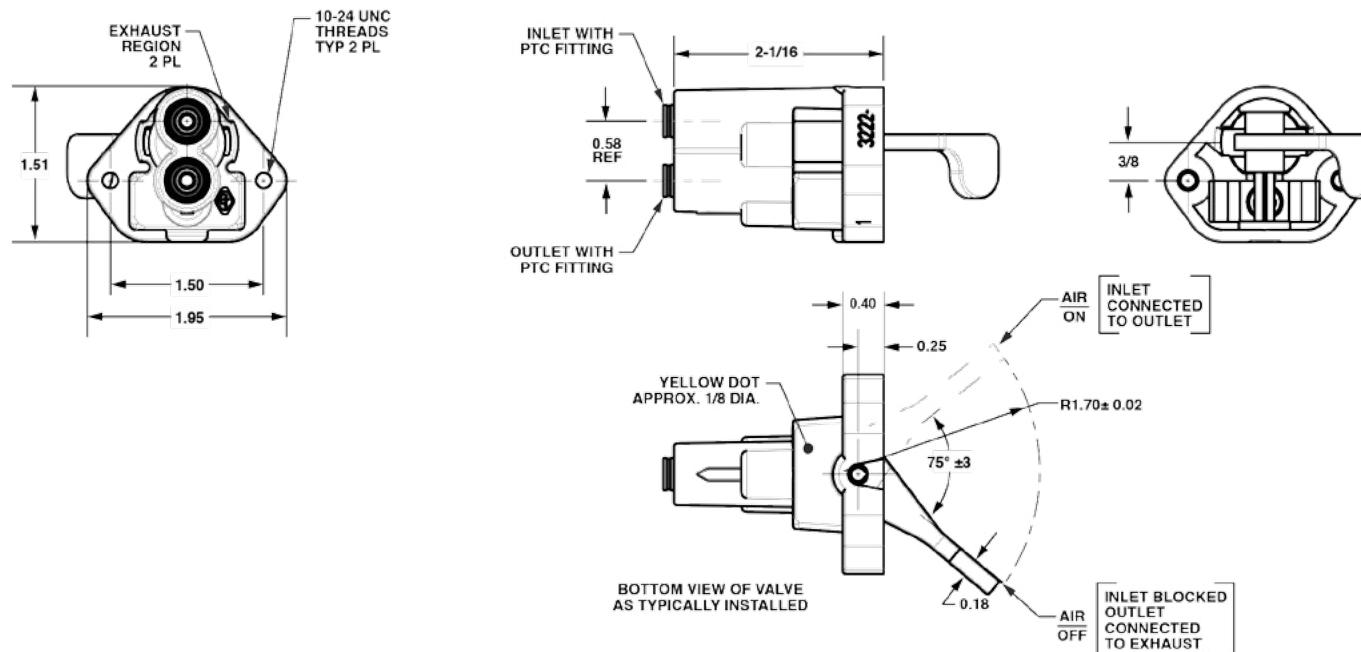
Model	Tube O/D	Nominal Voltage
3220-1	1/4"	12V

3-way air valve
Designed for dashboard operation of truck air system accessories
Integral Push-To-Connect fittings (PTC)

Technical data

Operating pressure:
0 to 150 psi (0 to 10 bar)
Operating temperature:
-20°F to +160°F (-20°C to +70°C)
Tube O/D:
1/4"

Dimensions (Inches)



Models

Model	Tube O/D
3222-1	1/4"

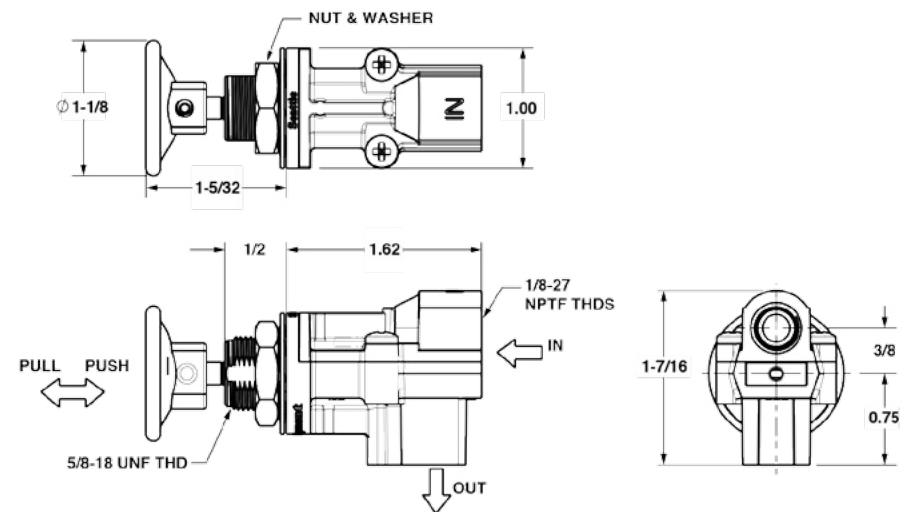


Controls seat height and lumbar support functions
Removable knob
Designed to operate air seat systems

Technical data

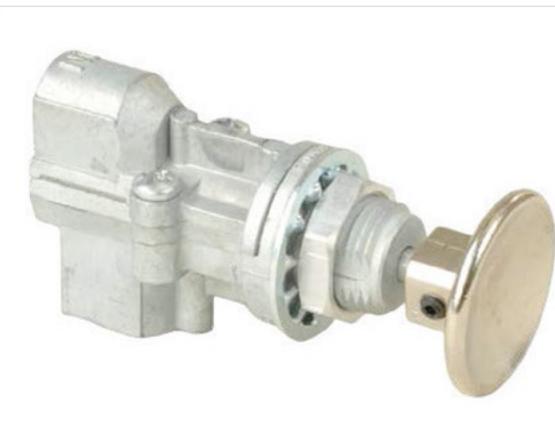
Operating pressure:
0 to 200 psi (0 to 13 bar)
Actuation:
Push: Applies inlet pressure to outlet port
Pull: Vents outlet port
Leakage:
Valve cannot leak to outlet port in OFF position
Porting:
Outlet port configuration options: 1/8"-27 NPTF female thread

Dimensions (Inches)



Models

Model	Port size
134-4	1/8 -27 NPTF



Permanent knob
Push-To-Connect fittings (PTC)
Designed to operate air seat systems

Technical data

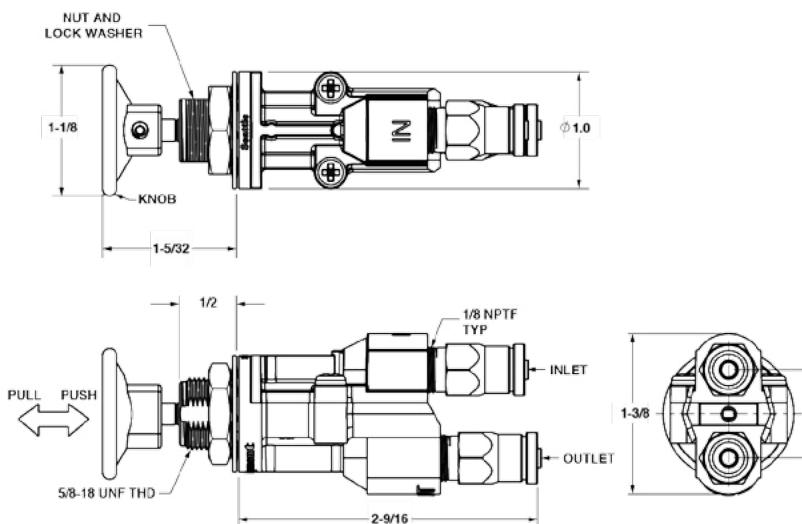
Operating pressure:
0 to 200 psi (0 to 13 bar)

Actuation:
Push: Applies inlet pressure to outlet port
Pull: Vents outlet port

Leakage:
Valve cannot leak to outlet port in OFF position
Tube O/D:
1/4"



Dimensions (Inches)



Models

Model	Tube O/D
251-12B	1/4"

Permanent knob
Threaded ports
Designed to operate air seat systems

Technical data

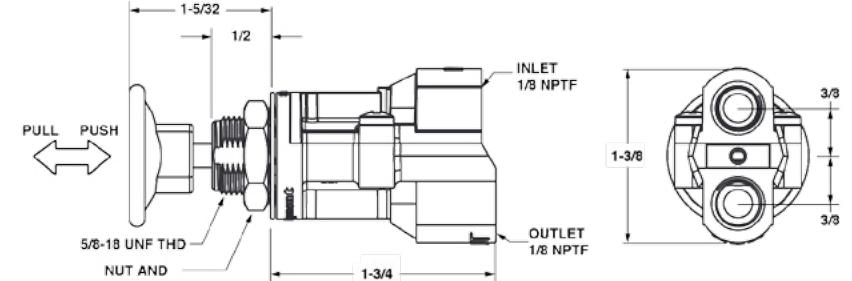
Operating pressure:
0 to 200 psi (0 to 13 bar)

Actuation:
Push: Applies inlet pressure to outlet port
Pull: Vents outlet port

Leakage:
Valve cannot leak to outlet port in OFF position
Porting:
Outlet port configuration options: 1/8"-27 NPTF female thread



Dimensions (Inches)



Models

Model	Port Size
251-21A	1/8-27 NPTF

Integrated electrical switch for pneumatic and electric control of air seats

Permanent knob

Push-To-Connect fittings (PTC)

Technical data

Operating pressure:
0 to 200 psi (0 to 13 bar)

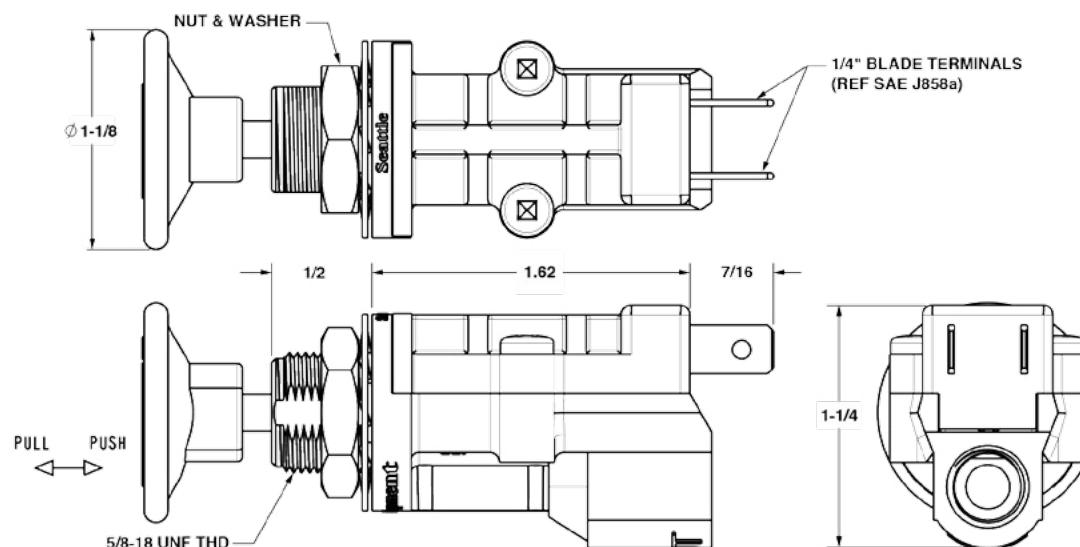
Actuation:
Push: Closes electrical switch. Approved for use with RDH Enterprises # 64-00450 12 Vdc compressor or equivalent

Pull: OUT port is vented to atmosphere

Tube O/D:
1/4"



Dimensions (Inches)



Models

Model	Tube O/D
3000	● 1/4"

Designed for the control of one seat bag

Paddle style actuation

3-way valve

All plastic components meet FMVSS 302 flammability requirements

1/4" barb connection

Technical data

Operating pressure:
0 to 125 psi (0 to 8 bar)

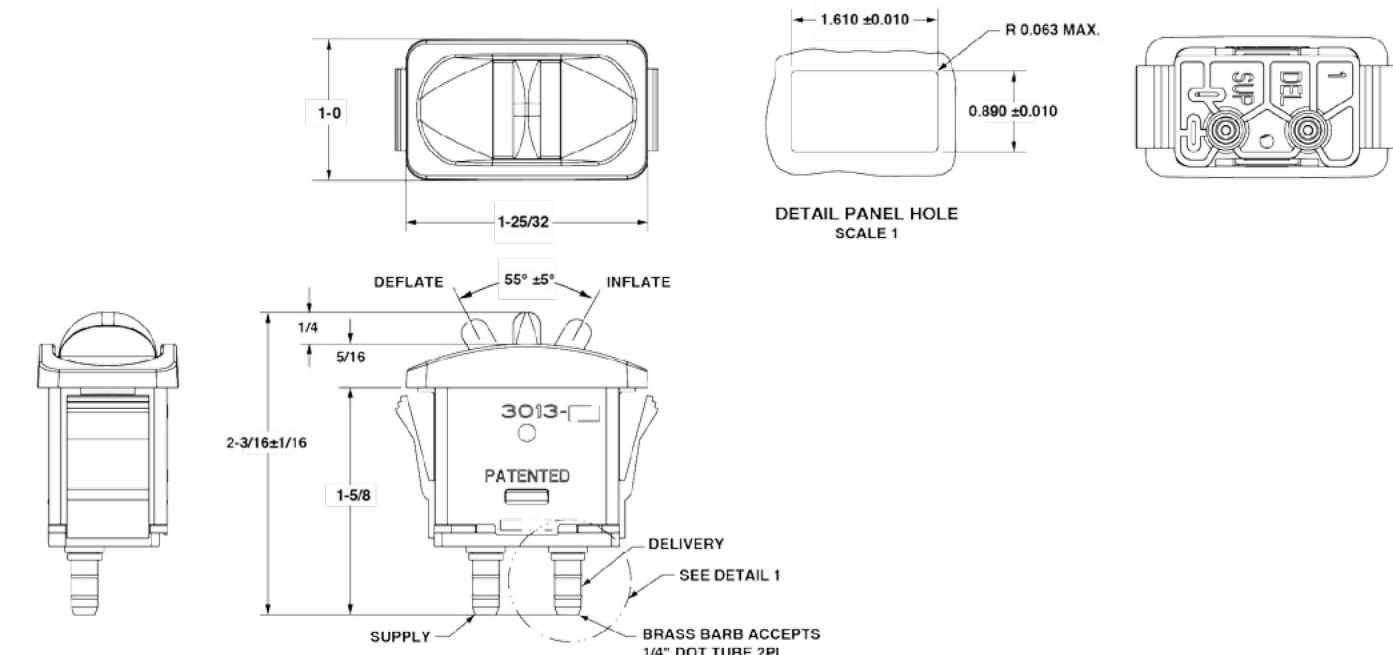
Actuation:
3-way, dead center, paddle style actuation

Material:
Black Thermoplastic

Assembly:
Valve assembly snaps into seat side panel from the outside



Dimensions (Inches)



Models

Model	Barb Connection
3013-4	● 1/4"

CAB CONTROLS

Integrated electrical switch for pneumatic and electric control of air seats

Paddle style actuation

All plastic components meet FMVSS 302 flammability requirements

1/4" barb connection

Technical data

Operating pressure:
0 to 125 psi (0 to 8 bar)

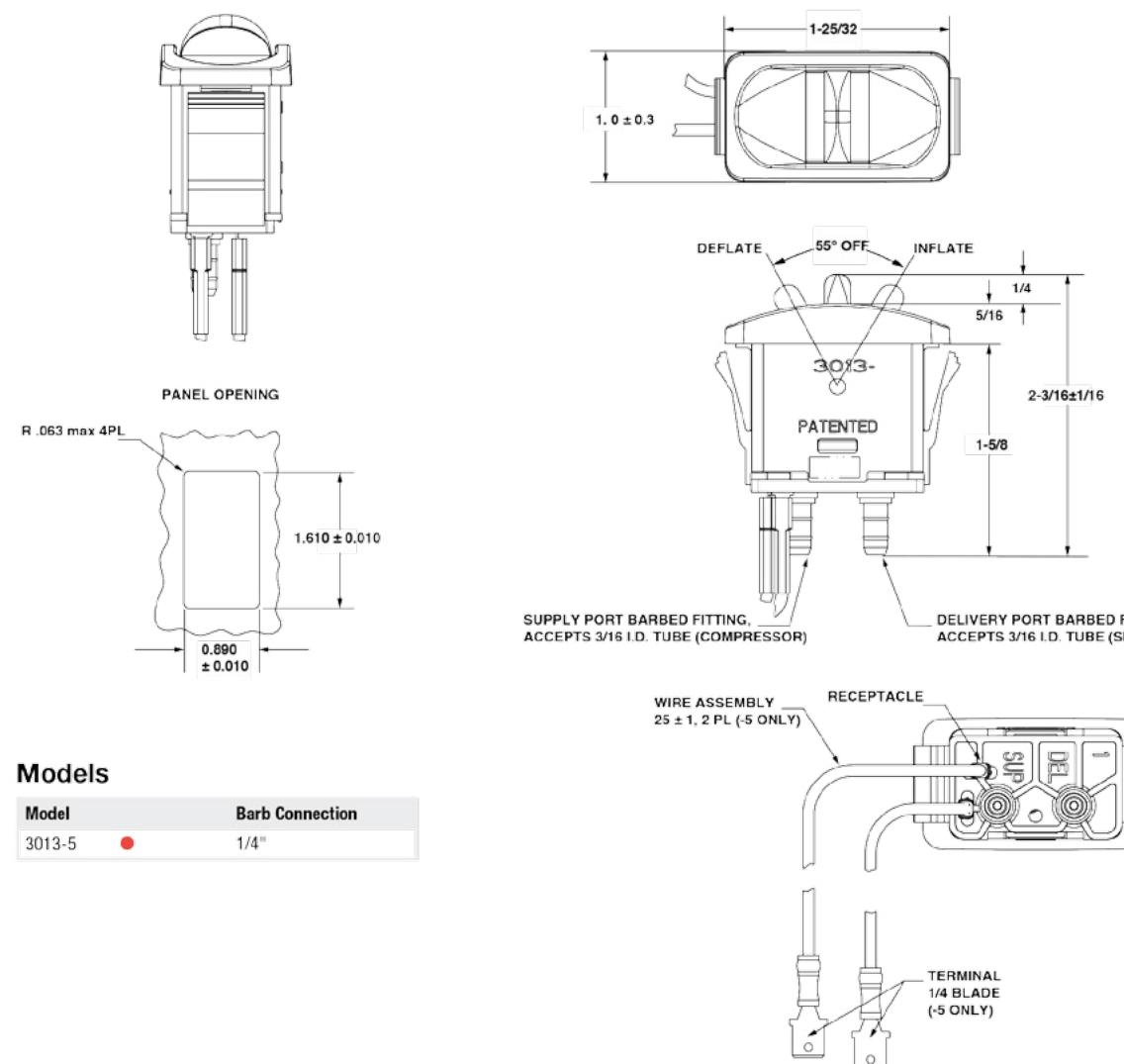
Actuation:

Paddle style

Electrical connection:
Wire assembly, terminal 1/4" blades



Dimensions (Inches)



Models

Model	Barb Connection
3013-5	1/4"



DEF (DIESEL EXHAUST FLUID) TANK HEATING

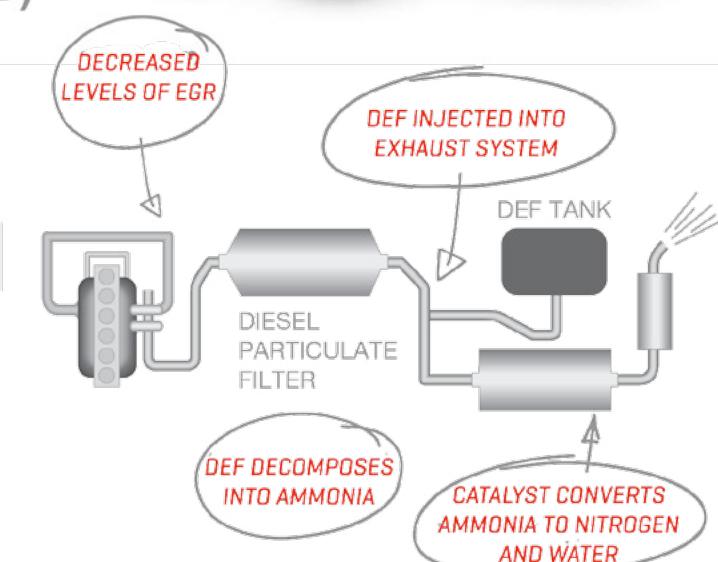
» CUSTOMER APPLICATION

Coolant circuit shut-off valve for medium and heavy duty truck DEF Tank Heating Circuits.

» GATES CV SOLUTION

Valve regulating the flow of coolant to the DEF/Urea holding tank for temperature regulation in cold ambient temperatures.

- » Suitable for all engine applications, either on or off highway
- » Applicable for all EPA 2010 and Euro VI SCR systems
- » Reliably used in the field since 2004
- » Fully interchangeable fittings
- » Electrical connector orientation can be modified to meet customer requirements
- » Damped closing – to reduce strain on the components within the cooling system



» CUSTOMER BENEFIT

- » Production proven design for medium and heavy duty commercial vehicles and off road vehicles
- » Damped closing valve to improve cooling system component life
- » High flow rate for fast heat up of DEF

AIR MANAGEMENT

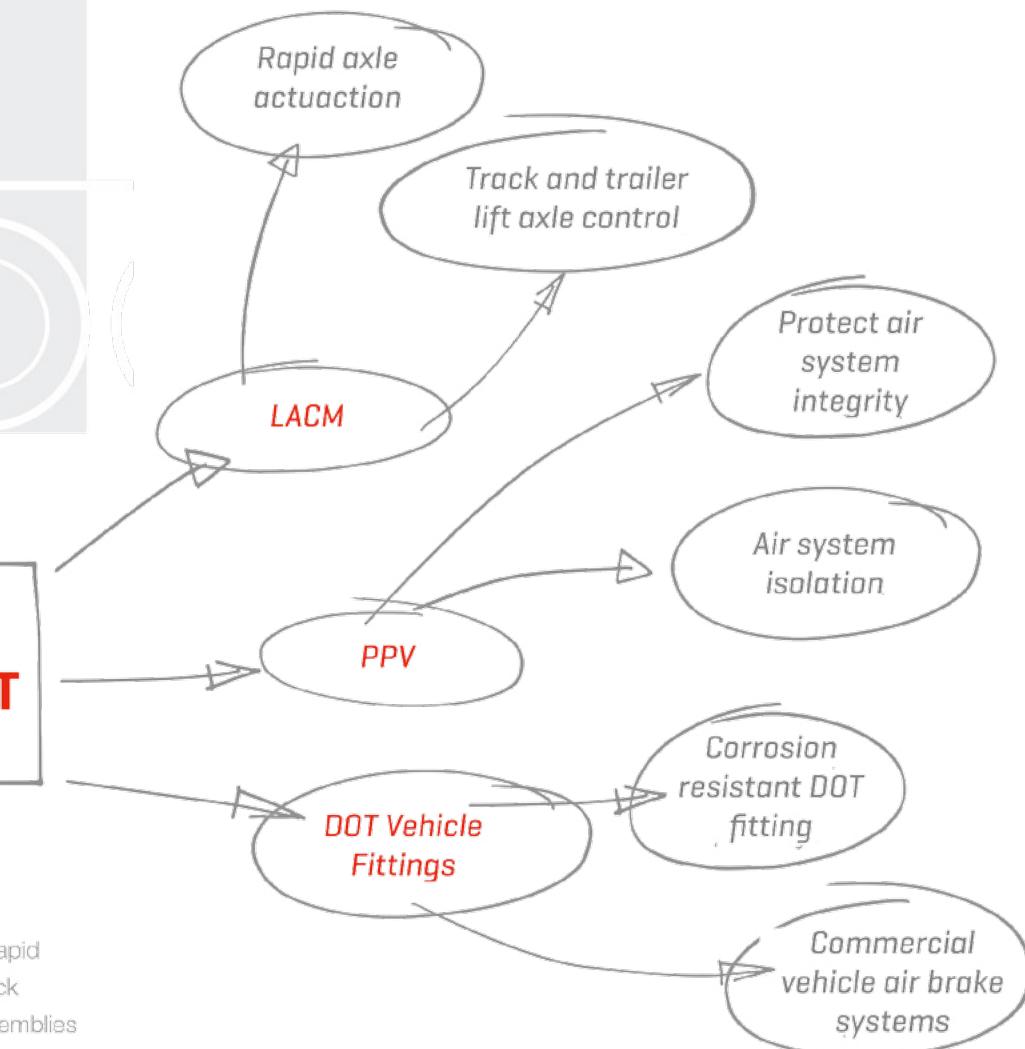
GATES MANUFACTURES A BROAD VARIETY OF AIR SYSTEM COMPONENTS FOR TODAY'S CLASS 7 AND 8 COMMERCIAL VEHICLES. THE AIR SYSTEM COMPONENTS ARE DIFFERENT IN MANY WAYS, BUT THEY SHARE SEVERAL BASIC CHARACTERISTICS. EACH PRODUCT IS COMPACT, RUGGED, AND EASY TO INSTALL WITH EXCELLENT FLOW CHARACTERISTICS AND WILL PROVIDE LONG LIFE IN THE HARSH, CHASSIS-MOUNTED ENVIRONMENT.



AIR MANAGEMENT

From pressure protection valves, rapid dump valves, solenoid valves, check valves, modular solenoid valve assemblies to lift axle control modules. Gates has many innovative solutions that enhance vehicle performance, whilst also reducing the overall installation time.

- In stock
- ◆ Please call 55 2000 2700 for availability



Designed to isolate vehicle air systems in case of leakage

Protects the integrity of the air supply

Convenient in tank mounting

Variety of closing pressure options to suit application

Technical data

Operating pressure:

0 to 150 psi

0 to 10 bar

Material:

Zamak 3

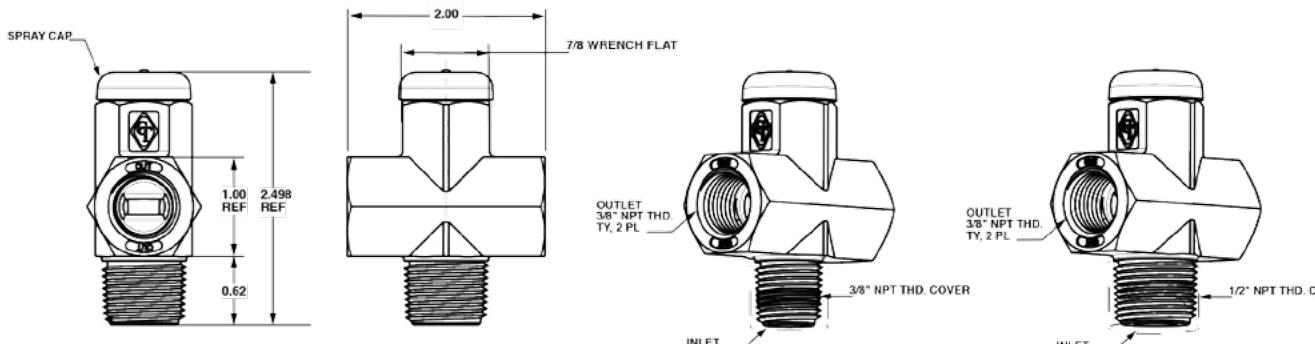
Operating temperature:

-40°F to +200°F max.

-40°C to -93°C max.



Dimensions (Inches)



Models

Model	Open Pressure (psi)	Close Pressure (psi)	Thread
223-355V	55	45	3/8" NPT
223-365	65	55	3/8" NPT
223-385V	85	67	3/8" NPT
223-455V	55	45	1/2" PTF
223-485V	85	67	1/2" PTF
223-565	65	55	1/2" PTF
223-585-2	100	70	1/2" PTF

Designed to isolate vehicle air systems in case of leakage

Protects the integrity of the air supply

Inline mounting

Integral Push-To-Connect (PTC) fittings



Technical data

Operating pressure:

0 to 150 psi

0 to 10 bar

Material:

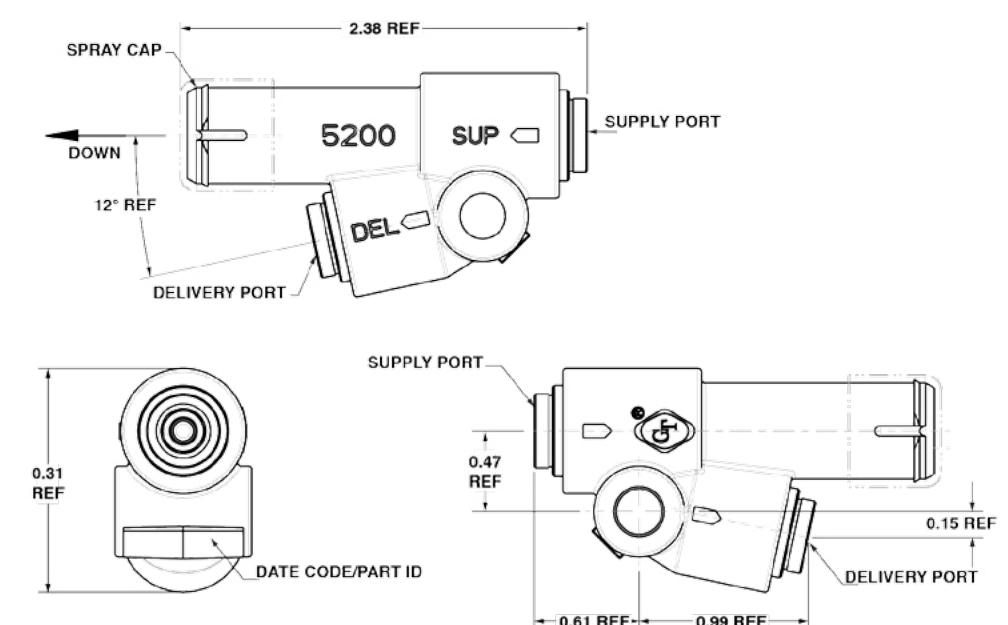
Thermoplastic body with Fluorosilicone seals

Operating temperature:

-40°F to +200°F max.

-40°C to -93°C max.

Dimensions (Inches)



Models

Model	Open Pressure (psi)	Close Pressure (psi)	PTC Connection
5200-75	75	60	1/4" OD tube

● In stock

◆ Please call 55 2000 2700 for availability

Designed for the heavy duty truck and trailer industry

Includes two industry-proven brake-style relay valves integrated into a single unit for compactness and ease of installation

Excellent flow capability for rapid axle actuation

Optional control solenoid for electric control

Technical data

Operating pressure:
30 to 120 psi

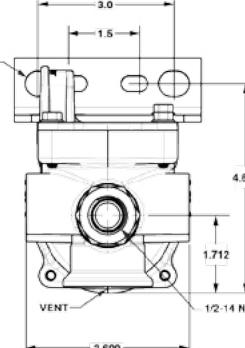
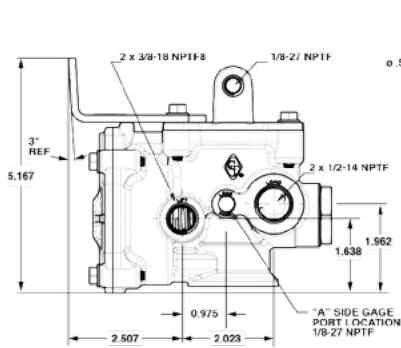
Operating temperature:
-40°F to +190°F max.
-40°C to -87.7°C max.

Material:
Cast aluminum body with thermoplastic pistons and low temperature nitrile seals

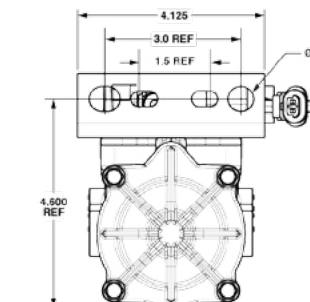
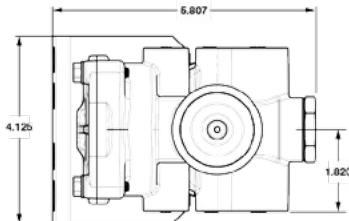
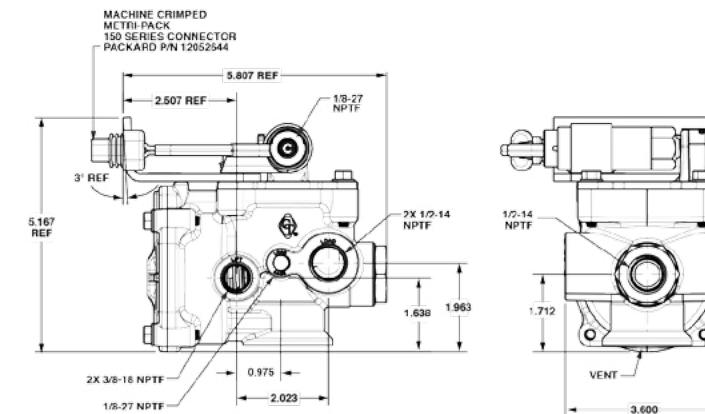


Dimensions (Inches)

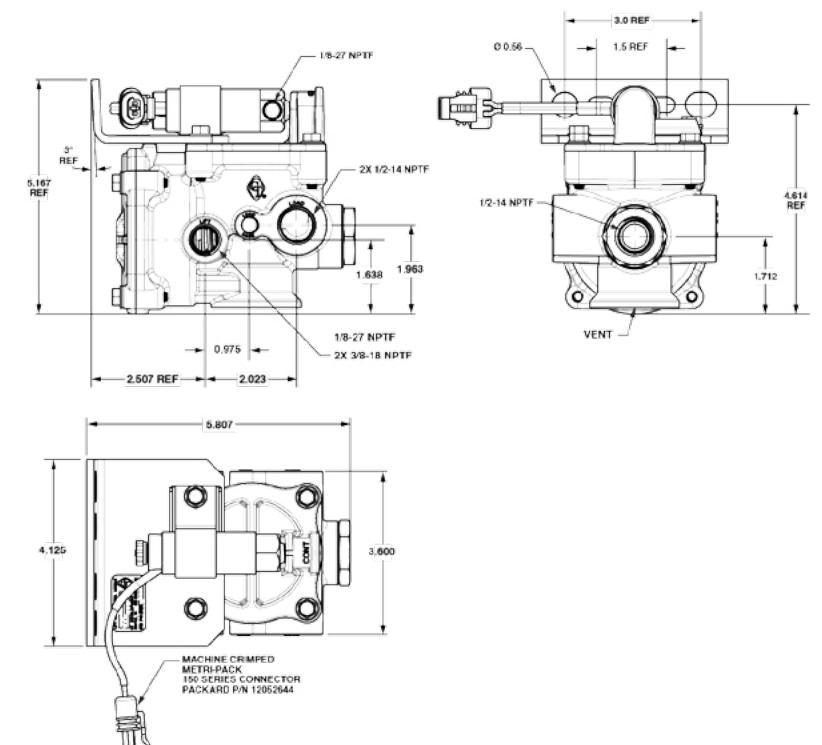
5040-111-01C



5040-211-01C



5040-311-01C



Models

Model	Valve Type	Electrical Connection
5040-111-01C	Air Actuation	N/A
5040-211-01C	N/O Solenoid	Metri-Pack 150 Series 2-way connector
5040-311-01C	N/C Solenoid	Metri-Pack 150 Series 2-way connector

Part Number

5040-* 1 1-01C

Valve Type	Substitute
Air Actuation	1
N/O Solenoid	2
N/C Solenoid	3
Check Valve	Substitute
Check Valve	1
Gage Port	Substitute
'A' side gage port	1

- In stock
- ◆ Please call 1.800.514.0129 for availability

Helps vehicle OEMs to comply with brake timing regulations

Enhances vehicle performance*

Durable zinc alloy provides excellent flow characteristics

*Requires properly plumbed air system

Technical data

Operating pressure:

10 psi min

0.7 bar

Port size:

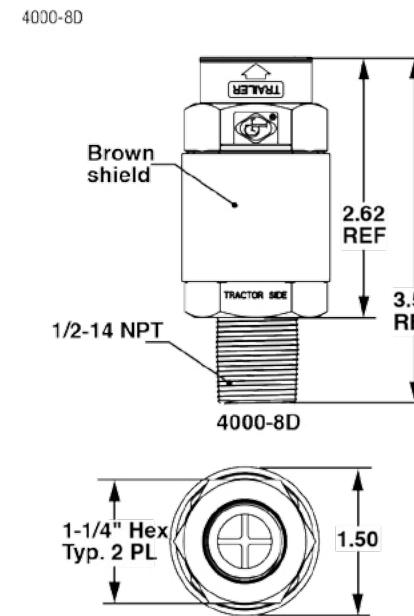
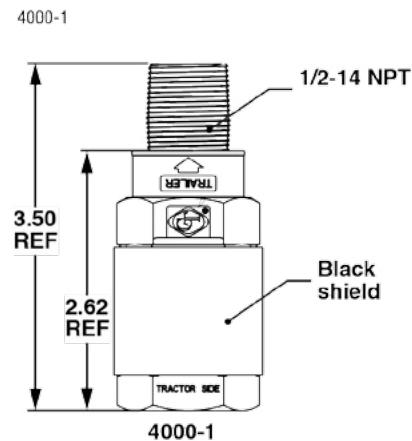
1/2" NPT

Nipple size:

1/2" PTF male



Dimensions (Inches)



Models

Model	Shield Color	Nipple Side: 1/2" PTF	Port Side: 1/2" NPT
4000-1	● Black	Trailer	Tractor
4000-8D	● Brown	Tractor	Trailer

3-way, pilot-operated, normally open valve

2 delivery ports

Chassis-mounted on heavy-duty highway vehicles with air-ride suspensions

Technical data

Rated PSI:

90 to 120 psi

6.4 to 8.5 bar

Port size:

1/8"-27

Thread Type:

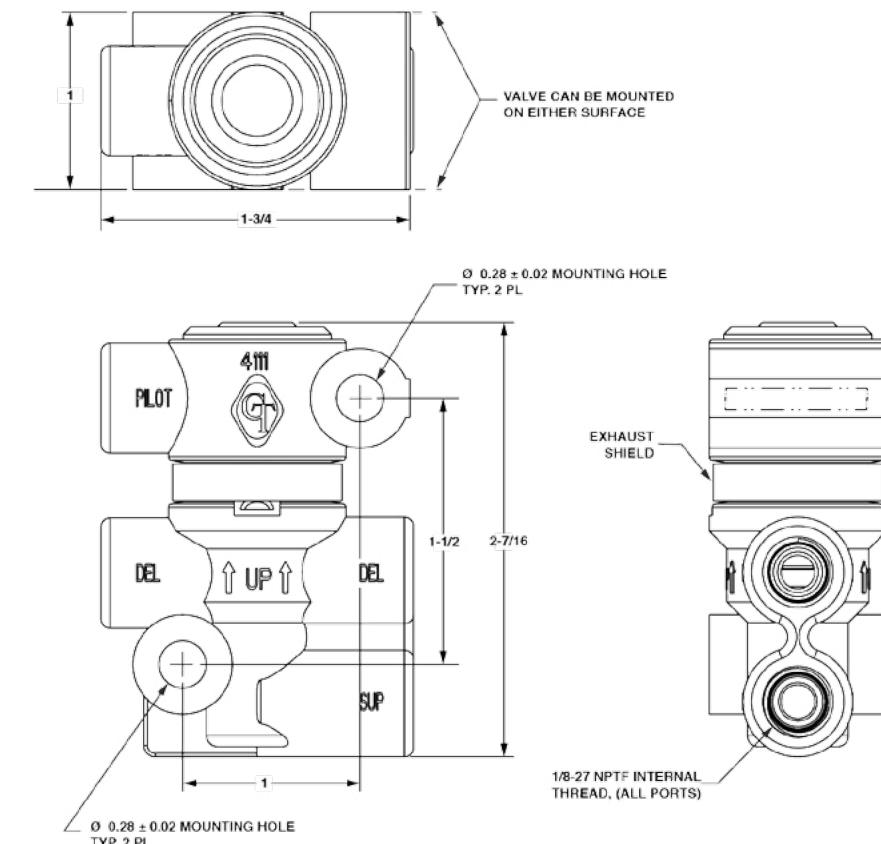
PTF

Material:

Die cast Zinc



Dimensions (Inches)



Models

Model	Port Size
4111-2	● 1/8" PTF

● In stock

◆ Please call 1.800.514.0129 for availability

Fittings and tubing comply to Department of Transport Federal Motor Vehicle Safety Standard, (DOT FMVSS 106) (Mandatory requirements for Inch tube fittings in U.S.A.)

Simple tube connection and disconnection – no tools required

Fewer component parts – Internally machined form in body to secure collet, reduces number of potential leak paths

Corrosion resistant

Reduced assembly and maintenance times provide time/labor savings

Greater reliability and reduced testing

Ease of tube insertion in areas of restricted access

Technical data

Operating medium:

Compressed air

Maximum working pressure:

0 to 150 psi (0 to 10 bar)

Working temperature:

-40°F to 212°F (-40°C to 100°C)

Materials:

Body (Straights), Tube support, Collet – Brass BS 2874 CZ 121

Body (Elbows, Tees) – Brass BS 2874 CZ 122

'O' Ring – Buna N (Low Nitrile)

Thread Sealant – Precoat 5

Tubing:

Tube should be to SAE J844 (Imperial) or DIN 74324 (Metric)

Standards and legislation:

Fittings and tubing comply to Department of Transport

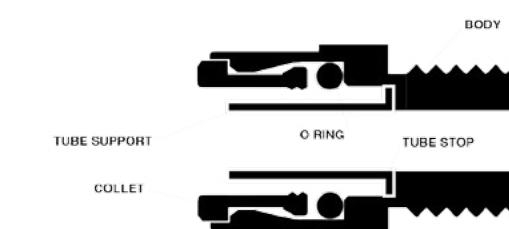
Federal Motor Vehicle Safety Standard, (DOT FMVSS 106)

(Mandatory requirements for Inch tube fittings in U.S.A.)

Society for Automotive Engineers (SAE) J2494 (Inch tube and fittings) and meet DIN 74324 and German TÜV requirements (Metric tube and fittings)



Tube Connection/Disconnection



Body:

The body has an internally machined form to secure the Collet(s), O-ring(s) and Tube support(s). It also has internal and externally machined thread form(s) for connection to ports where applicable.

Collet:

The purpose of the collet is to grip the tube and ensure it is retained by the fitting at all times.

O-ring:

The O-ring is to ensure adequate interference between the tube and fitting body therefore providing a pneumatic seal at all times.

Tube Support:

The tube support prevents the tube collapsing during extreme tensile loading conditions. Such conditions are only encountered during performance testing and far exceed those experienced during normal use.

Tube Connection/Disconnection

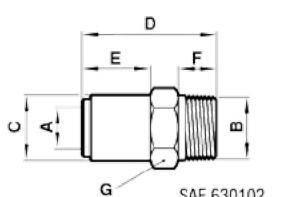


1. Ensure that the end of the tube is cut 90°.
2. Push the tube through the collet into the fitting.

3. Continue pushing the tube through the O-ring until it bottoms on the tube stop.
4. To disconnect: First ensure there is no air present. Push the tube into the fitting until it bottoms on the tube stop. Then pull back on the tube to reinforce the collet teeth gripping action. Then hold down the collet and withdraw the tube.



Male Connectors NPT



SAE 630102

Models	A Tube O/D	B NPT	OC	D	E	F	G A/F
95 4530 04M	● 1/4"	1/8"	0.50	1.04	0.43	0.37	1/2"
95 4530 10M	● 1/4"	1/4"	0.50	1.17	0.37	0.56	9/16"
95 4530 18M	● 1/4"	3/8"	0.50	1.20	0.31	0.56	11/16"
95 4530 06M	● 3/8"	1/8"	0.65	1.32	0.67	0.37	11/16"
95 4530 12M	● 3/8"	1/4"	0.66	1.48	0.63	0.56	11/16"
95 4530 20M	● 3/8"	3/8"	0.66	1.42	0.54	0.56	11/16"
95 4530 29M	● 3/8"	1/2"	0.66	1.46	0.36	0.75	7/8"
95 4530 13M	● 1/2"	1/4"	0.79	1.68	0.75	0.56	7/8"
95 4530 21M	● 1/2"	3/8"	0.79	1.64	0.71	0.56	7/8"
95 4530 30M	● 1/2"	1/2"	0.79	1.72	0.61	0.75	7/8"
95 4530 22M	● 5/8"	3/8"	0.98	1.87	0.89	0.56	1-1/16"
95 4530 31M	● 5/8"	1/2"	0.98	2.12	0.93	0.75	1-1/16"
95 4530 49M	● 3/4"	1/2"	1.00	2.11	0.89	0.75	1-3/16"
95 4530 55M	● 3/4"	3/4"	1.16	2.03	0.81	0.75	1-3/16"

Part numbers ending with 'V' have Viton seals.
*Special short 1/16" PTF-SAE short thread. 5/32" fittings have a Pneufit style body and collet.

Female Connectors NPT

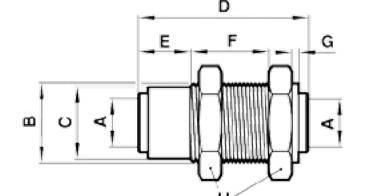
Models	A Tube O/D	B NPT	OC	D	E	F
95 4355 04M	● 1/4"	1/8"	0.51	1.31	0.72	9/16"
95 4355 20M	● 3/8"	3/8"	0.65	1.78	0.88	7/8"
95 4355 30M	● 1/2"	1/2"	0.91	2.11	0.96	11/16"

Reducing Unions (Inch)

Models	A Tube O/D	B Tube	OC	D
94 4504 48M	● 3/8"	1/4"	0.67	1.71
94 4504 64M	● 1/2"	3/8"	0.81	1.91



Bulkhead Unions



SAE 630103

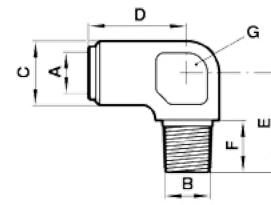
Models	A Tube O/D	B Thread	Panel Hole Ø	OC	D	E	F	G (Max)	G (Min)	H A/F
94 4507 04M	● 1/4"	M15 x 1.0	0.61	–	1.41	–	0.87	0.08	0.87	
94 4507 06M	● 3/8"	M20 x 1.5	0.81	0.70	1.75	0.33	0.87	0.08	1.06	

Female Bulkhead Connectors NPT Female, UNF

Models	A Tube O/D	B NPT	C UNF	D ØD	E	F	G	H	J	A/F A/F
95 4570 06M	● 1/4"	1/8"	5/8"	0.63	1.32	0.69	0.28	0.87	15/16"	
95 4570 01M	● 1/4"	1/4"	5/8"	0.79	1.59	0.73	0.51	0.87	15/16"	
95 4570 03M	● 3/8"	1/4"	3/4"	0.79	2.20	1.30	0.51	0.94	1-1/8"	
95 4570 04M	● 3/8"	3/8"	3/4"	0.79	2.20	1.30	0.51	0.94	1-1/8"	
95 4570 05M	● 1/2"	3/8"	7/8"	–	1.89	1.50	–	1.06	1-5/16"	
95 4570 07M	● 1/2"	1/2"	7/8"	–	2.64	1.50	–	1.06	1-5/16"	

● In stock

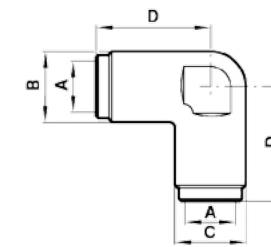
◆ Please call 1.800.514.0129 for availability



Male Elbows NPT

SAE 630202

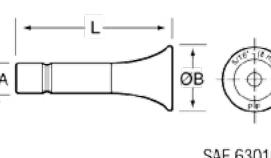
Models	A Tube O/D	B NPT	C	D	E	F	G A/F
95 4331 03M	3/16"	1/8"	0.47	0.81	0.75	0.37	0.47
95 4331 04M	1/4"	1/8"	0.55	0.81	0.79	0.37	0.55
95 4331 10M	1/4"	1/4"	0.69	0.87	1.02	0.56	0.71
95 4331 18M	1/4"	3/8"	0.82	0.94	1.10	0.56	0.87
95 4331 27M	1/4"	1/2"	0.94	0.96	1.38	0.75	0.94
95 4331 06M	3/8"	1/8"	0.69	1.08	0.87	0.37	0.71
95 4331 12M	3/8"	1/4"	0.69	1.06	1.02	0.56	0.71
95 4331 20M	3/8"	3/8"	0.82	1.14	1.10	0.56	0.87
95 4331 29M	3/8"	1/2"	0.94	1.14	1.38	0.75	0.94
95 4331 13M	1/2"	1/4"	0.87	1.22	1.14	0.56	0.87
95 4331 21M	1/2"	3/8"	0.87	1.26	1.14	0.56	0.87
95 4331 30M	1/2"	1/2"	0.94	1.28	1.38	0.75	0.94
95 4331 98M	5/8"	3/8"	1.06	1.44	1.22	0.56	0.87
95 4331 31M	5/8"	1/2"	1.15	1.54	1.42	0.75	1.18
95 4331 49M	3/4"	1/2"	1.30	1.52	1.48	0.75	0.94
95 4331 55M	3/4"	3/4"	1.15	1.59	1.50	0.75	1.18



Union Elbows

SAE 630201

Models	A Tube O/D	B	C	D
94 4511 04	1/4"	0.43	0.51	0.83
94 4511 06M	3/8"	0.57	0.67	1.07
94 4511 07	1/2"	0.71	0.81	1.26

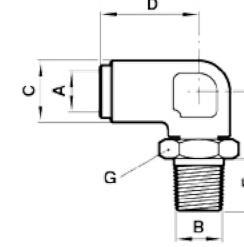


Plug*

SAE 630109

Models	A O/D Stem	B	C
94 0509 04BP	1/4"	0.46	1.12
94 0509 06BP	3/8"	0.65	1.34
94 0509 07BP	1/2"	0.65	1.48

* Material: Thermoplastic



Male Swivel Elbows NPT

SAE 6302AA

Models	A Tube O/D	B NPT	C	D	E	F	G A/F
95 4114 04M	1/4"	1/8"	0.51	0.83	0.91	0.37	0.43
95 4114 10M	1/4"	1/4"	0.51	0.83	1.12	0.56	0.55
95 4114 18M	1/4"	3/8"	0.59	0.85	1.25	0.56	0.75
95 4114 06M	3/8"	1/8"	0.67	1.07	1.05	0.37	0.55
95 4114 12M	3/8"	1/4"	0.67	1.07	1.29	0.56	0.75
95 4114 20M	3/8"	3/8"	0.67	1.07	1.24	0.56	0.75
95 4114 29M	3/8"	1/2"	0.67	1.07	1.44	0.75	0.87
95 4114 13M	1/2"	1/4"	0.81	1.27	1.27	0.56	0.87
95 4114 21M	1/2"	3/8"	0.81	1.27	1.42	0.56	0.87
95 4114 30M	1/2"	1/2"	0.81	1.27	1.62	0.75	0.87
95 4114 49M	3/4"	1/2"	1.18	1.52	1.77	0.75	0.87

CAUTION: Swivel adapters are not suitable for use in continuously rotating or gyrating applications.



Male Bulkhead Elbows, NPT Female, UNF

SAE 631403

Models	A Tube O/D	B NPT Female	C UNF	D	E	F	G	H A/F	J A/F
95 4597 04M	1/4"	1/8"	5/8"	0.81	1.00	1.18	0.63	15/16"	0.87
95 4597 02M	1/2"	3/8"	7/8"	1.02	1.33	1.61	0.98	1-5/16"	0.67



Male Run Tees NPT

SAE 630424

Models	A Tube O/D	B Tube O/D	C NPT	D	E	F	G	H	J A/F
95 4586 28M	1/4"	1/4"	1/8"	0.55	1.67	0.79	0.37	0.89	0.55
95 4586 13M	1/4"	1/4"	1/4"	0.69	1.85	0.96	0.56	0.89	0.71
95 4586 17M	1/4"	1/4"	3/8"	0.82	2.03	1.10	0.56	0.93	0.87
95 4586 07M	1/4"	3/8"	3/8"	0.82	2.03	1.10	0.56	1.14	0.87
95 4586 05M	3/8"	1/4"	1/4"	0.69	2.05	0.96	0.56	0.93	0.71
95 4586 27M	3/8"	1/4"	3/8"	0.82	2.24	1.10	0.56	0.93	0.87
95 4586 03M	3/8"	3/8"	1/4"	0.69	2.05	0.96	0.56	1.08	0.71
95 4586 10M	3/8"	3/8"	3/8"	0.82	2.24	1.10	0.56	1.14	0.87
95 4586 04M	3/8"	3/8"	1/2"	0.91	2.64	1.42	0.75	1.22	0.94
95 4586 26M	3/8"	1/2"	3/8"	0.87	2.36	1.14	0.56	1.30	0.87
95 4586 20M	1/2"	3/8"	3/8"	0.87	2.44	1.14	0.56	1.22	0.87
95 4586 11M	1/2"	1/2"	3/8"	0.87	2.44	1.14	0.56	1.30	0.87



Male Swivel Run Tees NPT

SAE 6308AB

Models	A Tube O/D	B NPT	C	D	E	F	G	H A/F
95 4112 10M	1/4"	1/4"	0.51	1.95	1.12	0.56	0.83	0.55
95 4112 12M	3/8"	1/4"	0.67	2.36	1.29	0.56	1.07	0.75

● In stock

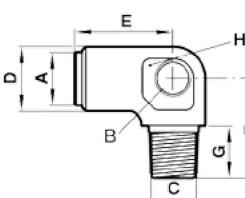
◆ Please call 55 2000 2700 for availability



90° Fixed Tee

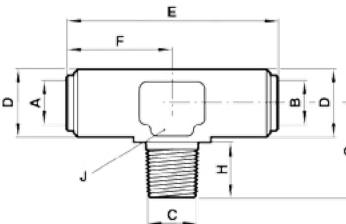
Models	A Tube O/D	B NPT Female	C NPT	ØD	E	F	G	H
95 4565 03M	3/8"	1/8"	3/8"	0.83	1.12	1.10	0.56	0.87
95 4565 04M	3/8"	1/8"	1/4"	0.83	1.20	1.10	0.56	0.87
95 4565 01M	1/2"	1/8"	3/8"	0.87	1.26	1.14	0.56	0.87
95 4565 02M	1/2"	1/4"	1/2"	0.94	1.28	1.38	0.75	0.94

Note: Ports are threaded on side shown.



Male Branch Tees NPT

Models	A Tube O/D	B Tube O/D	C NPT	ØD	E	F	G	H	J
95 4590 02M	1/4"	1/4"	1/8"	0.55	1.69	0.85	0.79	0.37	0.55
95 4590 12M	1/4"	1/4"	1/4"	0.69	1.77	0.89	0.96	0.56	0.71
95 4590 16M	3/8"	1/4"	1/4"	0.69	1.97	0.89	0.96	0.56	0.71
95 4590 10M	3/8"	3/8"	1/4"	0.69	2.17	1.08	0.96	0.56	0.71
95 4590 04M	1/2"	1/2"	1/2"	0.91	2.68	1.34	1.42	0.75	0.94



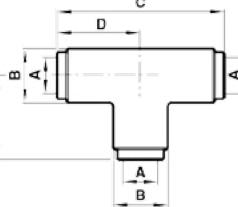
SAE 630425



Male Swivel Branch Tees NPT

Models	A Tube O/D	B NPT	ØC	D	E	F	G	H A/F
95 4111 04M	1/4"	1/8"	0.51	1.67	0.83	0.91	0.37	0.43
95 4111 12M	3/8"	1/4"	0.67	2.17	1.08	1.29	0.56	0.75
95 4111 20M	3/8"	3/8"	0.67	2.17	1.08	1.24	0.56	0.75
95 4111 21M	1/2"	3/8"	0.81	2.56	1.28	1.42	0.56	0.87
95 4111 30M	1/2"	1/2"	0.81	2.56	1.28	1.62	0.75	0.87

CAUTION: Swivel adapters are not suitable for use in continuously rotating or gyrating applications.



Union Tee

SAE 630401

Models	A Tube O/D	ØB	C	D
94 4514 04M	1/4"	0.51	1.65	0.83
94 4514 06M	3/8"	0.67	2.13	1.07
94 4514 07M	1/2"	0.81	2.53	1.26
94 4514 08M	5/8"	1.06	3.07	1.54

Robust component parts for use on and around the engine

Designed for continuous duty in high temperature applications

Integral Push-To-Connect (PTC) fittings

Technical data

Operating pressure:

60 to 150 psi (5 to 10 bar)

Operating temperature:

-40°F- 257°F (-40°C- 125°C)

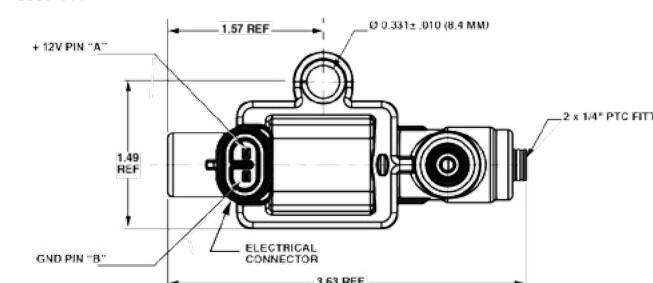
-40°F to 200°F (5030-310B)

Operating voltage:

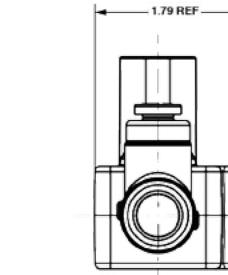
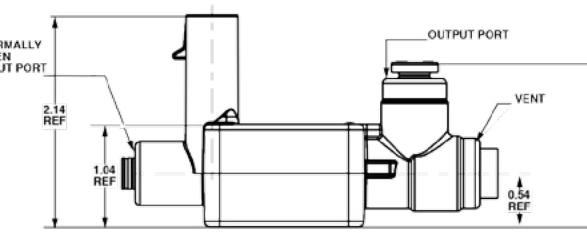
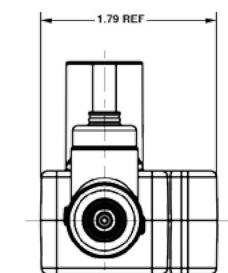
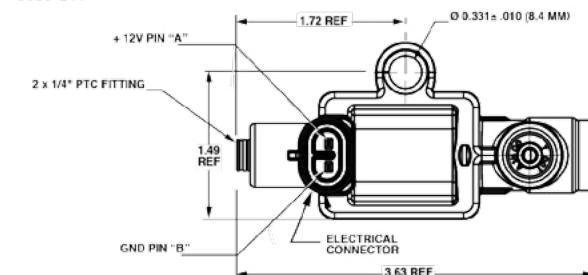
9 to 16 volts

Dimensions (Inches)

5030-111

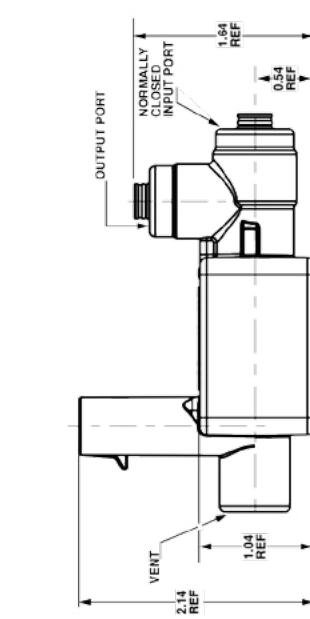
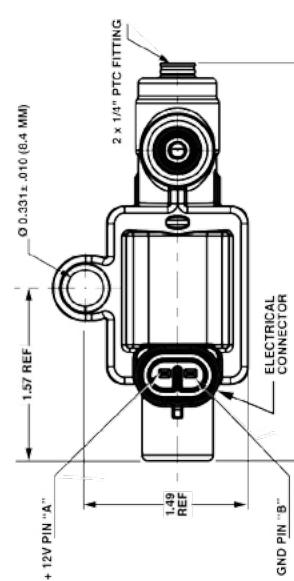
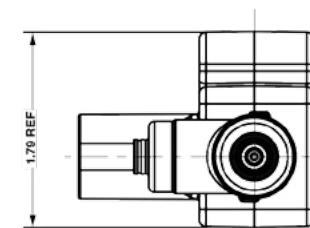
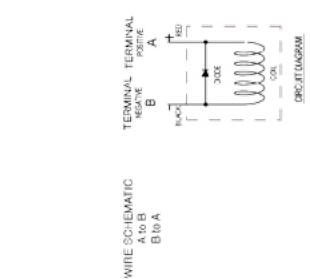
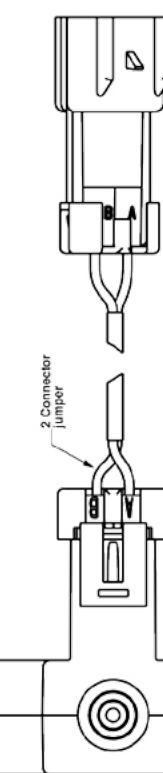


5030-211



Dimensions (Inches)

5030-310B



Models

Model	Description	O/D Tube
5030-111	Three-way NC	1/4"
5030-211	Three-way NO	1/4"
5030-310B	Two-way NC	1/4"

● In stock

◆ Please call 1.800.514.0129 for availability

For further information visit us at www.Gates.com.mx

Robust modular 3-way valve manifolding system
Patented design provides flexibility to exceed your application needs
Customizable electrical connection to meet your specific requirements
Integrated fittings provide faster build times
Quicker installation with color-coded fittings caps
Simple to connect design for building the manifold length you require
Mountable in any orientation
Fittings comply with US Department of Transportation, Federal Motor Vehicle Safety Standard (DOT FMVSS 106)
Integrated Push-To-Connect (PTC)



Product shown with customer supplied connector.

Technical data

Medium:

Compressed air, filtered, lubricated, non-lubricated

Operation:

3/2 normally closed direct acting

Solenoid:

9–16Vdc or 20.4–26.4Vdc

7 Watts

Port Size:

3/8" Inlet – tube/push in fitting (PIF)

1/4" Outlet/Delivery – tube/push in fitting (PIF)

Operation pressure:

Maximum 150 psig (10.35 bar)

Flow characteristics:

3/8" Inlet Cv = 0.67

1/4" Delivery Cv = 0.14

Minimum orifice size: 0.078"

Temperature range:

−40° to 220°F (−40° to 100°C)

Materials

Body and endcaps: 30% glass filled PBT

Exhaust cover cap: 30% glass filled Nylon 6/6

Coil overmold: 15% glass filled PET

Seals: Silicone, Nitrile, Viton, and HNBR

Springs, armature, and pole piece: Stainless Steel

Bobbin: 30% glass filled PPS

Valve and fittings: Brass

Mounting sleeve: Steel

Tubing: Tubing should be to SAE J844

Standards and Legislation

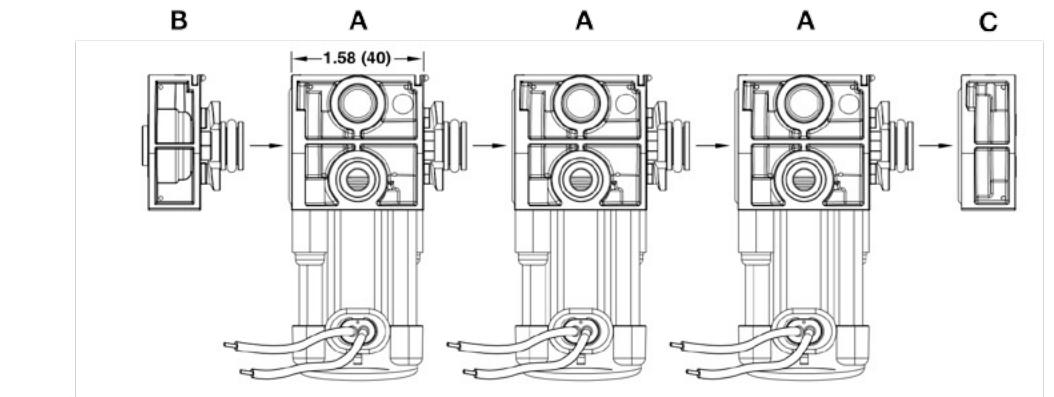
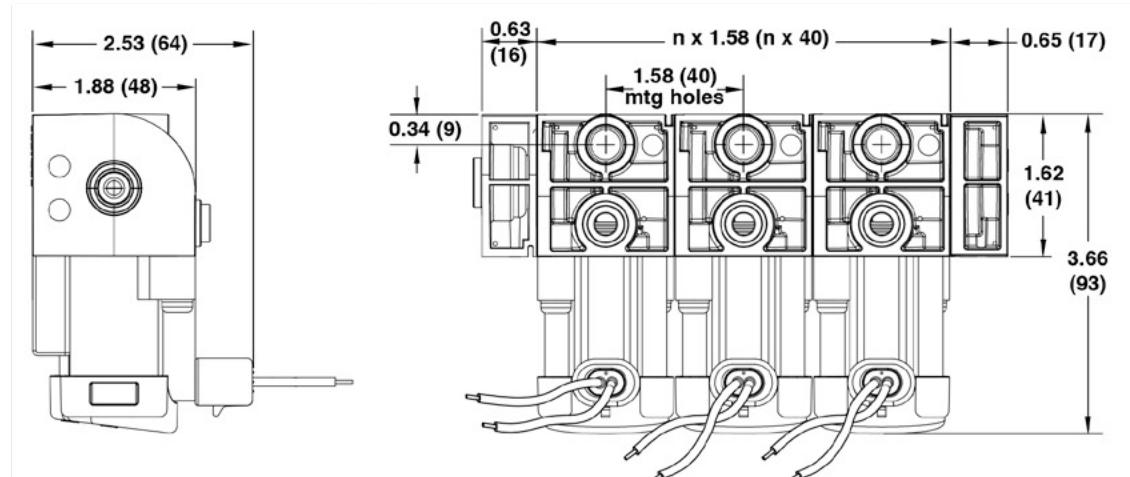
Fittings comply with U.S. Department of Transportation, Federal

Motor Vehicle Safety Standard (DOT FMVSS 106) (Mandatory

requirements for inch tube fittings in U.S.A.), Society of Automotive

Engineers SAE J1409, SAE J1410, SAE J1455 and SAE J2494-2.

Dimensions (Inches)



Standard Models

Model	Function	Electrical Connection	Port Size	Voltage	Position
7201-70	◆ 3/2 NC	19" Flying leads	(1/4" PIF)	12 VDC	A
7239-58	● 3/2 NC	19" Flying leads	(1/4" PIF)	24 VDC	A

Configurable up to 8 stations, [B+A+A+A+A+A+A+C].

Please consult factory for configurations using more than 8 stations.



End Plates

Model	Description	Position
7202-70	◆ Inlet Left Hand End Plate (3/8" PIF)	B
7203-70	◆ Cap Right Hand End Plate	C

1/4" Colored caps



◆ In stock

◆ Please call 55 2000 2700 for availability

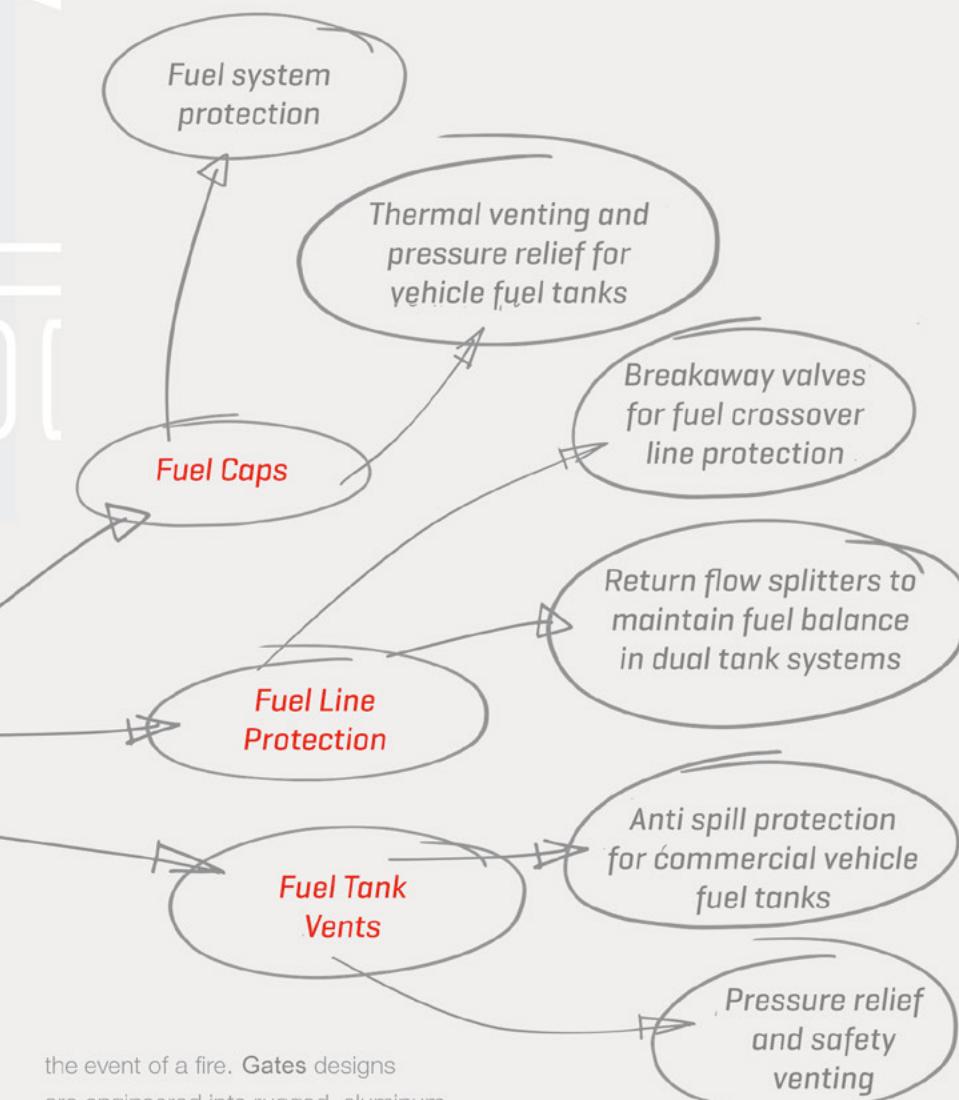
FUEL SYSTEM

GATES HAS LED THE INDUSTRY IN THE INTRODUCTION OF DOZENS OF INNOVATIVE FUEL SYSTEM PRODUCTS FOR DIESEL AND GAS APPLICATIONS AND THE HEAVY-DUTY TRUCK INDUSTRY, MANY OF THEM PATENTED. ALL OF OUR PRODUCTS MEET OR EXCEED FHWA GUIDELINES FOR LEAKAGE, DROP TESTS, AND FLAME TESTS.



FUEL SYSTEM COMPONENTS

Whether it's a replacement part or a component for a new application Gates offers a wide variety of products from anti-spill fuel tank vents, line guards and return flow splitters used on most of today's Class 8 vehicles to fuel caps whose design protects the fuel system in



- In stock
- ◆ Please call 55 2000 2700 for availability

Norgren fuel caps incorporate a unique combination of thermal, pressure relief, and breather type caps

Protect the fuel system in the event of fire or a roll over

Minimizes the opportunity for pressure to build up in the tank

All designs meet or exceed FHWA guidelines for leakage, drop tests and flame tests

Technical data

Material:

Aluminum die-casting

Options:

Matching locking, venting, safety features*

* Please contact your local Norgren technical representatives.



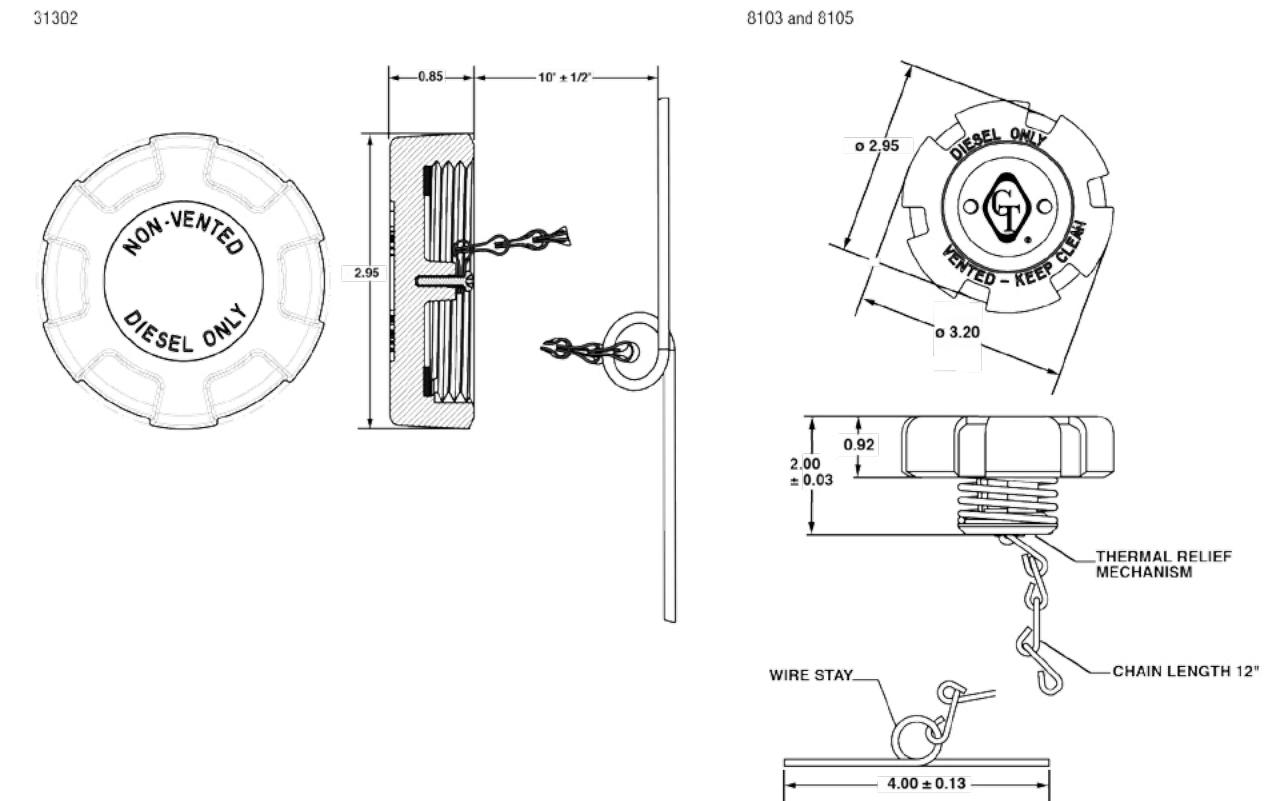
Models

Models	Description	Cap Size/ Thread Size	Thermal Relief	Pressure Relief	Venting	Locking	Chrome	Chain Length
31302-1	● 2" Closure only cap	2"-11.5 NPSM	No	No	No	No	No	10'
8103	● 2" Full function cap, chrome	2"-11.5 NPSM	Yes	Yes	Yes	No	Yes	12"
8105-2	● 2.5" Fuel cap for diesel fuel	2.5"-8 UN	Yes	Yes	Yes	No	No	12"
8110-1	● 3" Float style cap	3"-8 NPLS	Yes	Yes	Yes	No	No	12"
8111-1	● 3" Float style cap	3"-8 NPLS	Yes	Yes	Yes	Yes	No	12"
8120	● 3" Float style cap	3"-5.5 custom thread	Yes	Yes	Yes	No	No	12"

Models

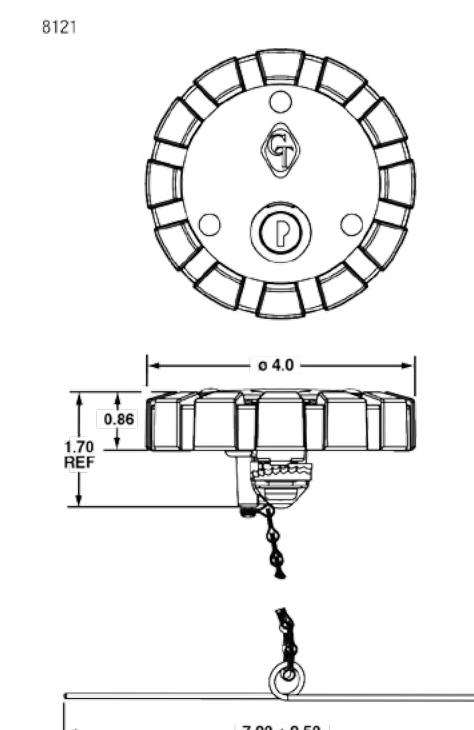
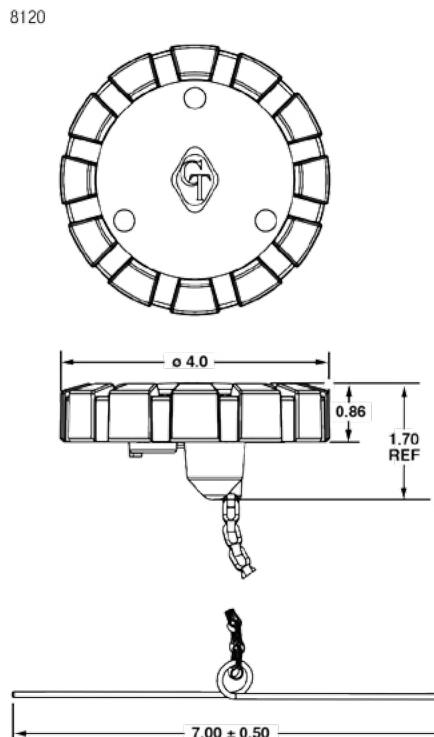
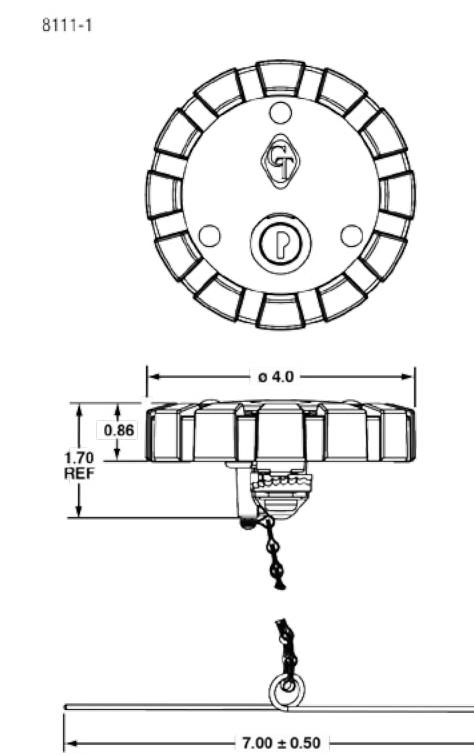
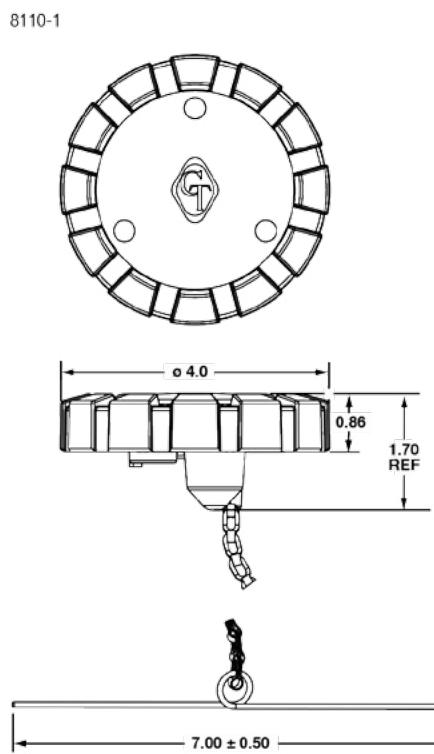
Models	Description	Cap Size/ Thread Size	Thermal Relief	Pressure Relief	Venting	Locking	Chrome	Chain Length
8121	● 3" Float style cap	3"-5.5 custom thread	Yes	Yes	Yes	Yes	No	12"
8130-1	● 4" Fuel cap for diesel fuel	4"-8 NPSM	Yes	Yes	Yes	No	No	12"
8131-1	● 4" Fuel cap for diesel fuel	4"-8 NPSM	Yes	Yes	Yes	No	No	12"

Dimensions (Inches)

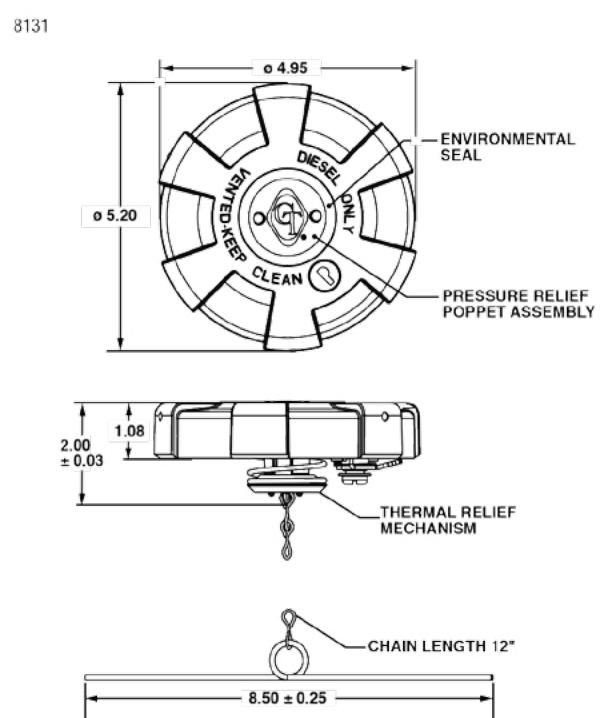
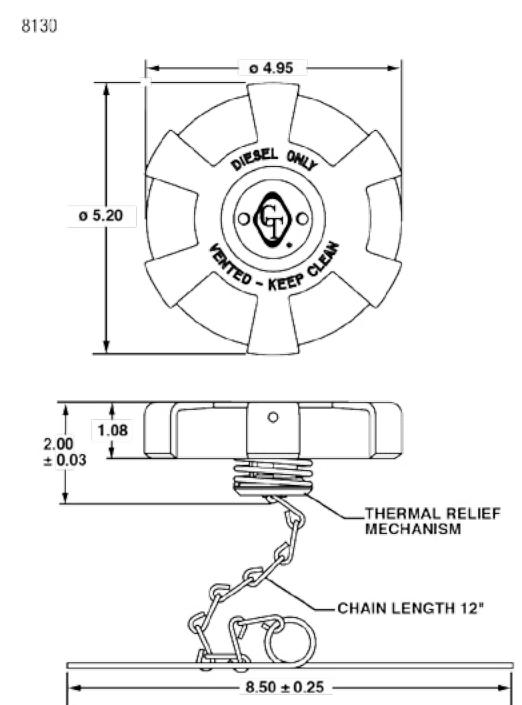


- In stock
- ◆ Please call 55 2000 2700 for availability

Dimensions (Inches)



Dimensions (Inches)



- In stock
- ◆ Please call 1.800.514.0129 for availability

1/2" NPT male thread with 1/4" barb fitting

Anti-spill protection

Available with pressure relief and safety venting

Provides tank breathing

Technical data

Pipe thread:

1/2-14 PTF

Overflow hose diameter:

5/16" ID

Outward flow rate:

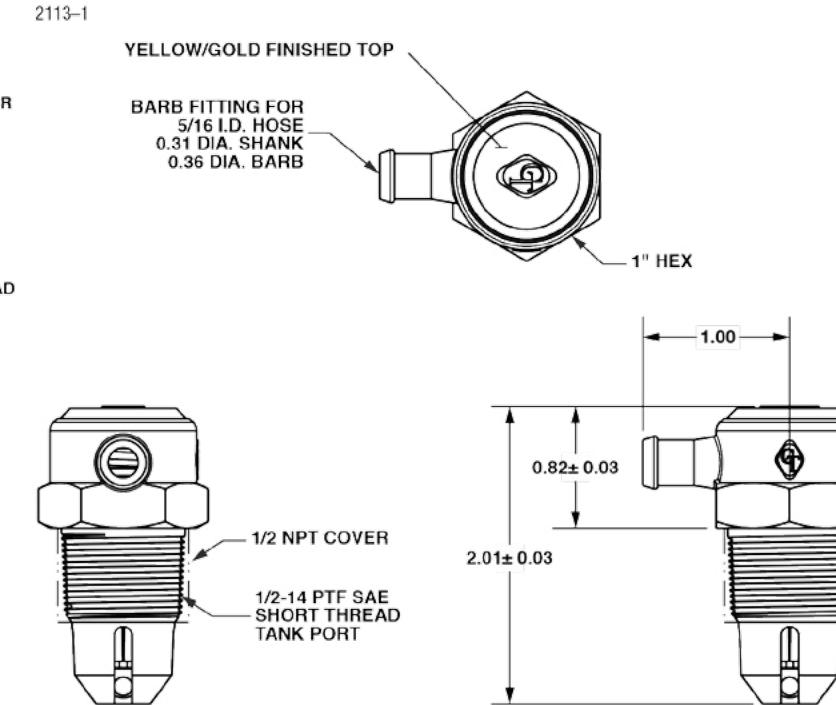
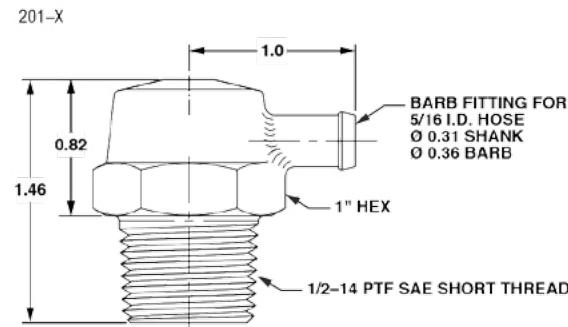
30 SCFH @ 6" water pressure

Hex size:

1.0"



Dimensions (Inches)



1/2" NPT fuel tank vent

Models	Thermal Relief	Pressure Relief	Diesel/Gas
201-1	● No	No	Diesel/Gas
201-3	● No	No	Diesel
2113-1	● 255 ± 25°F	5-10 PSIG	Diesel

1/2" NPT male thread with 1/4" barb fitting

Anti-spill protection

Available with pressure relief and safety venting

Provides tank breathing

Thermal and pressure relief

Technical data

Pipe thread:

1/2-14 PTF

Overflow hose diameter:

5/16" ID

Outward flow rate:

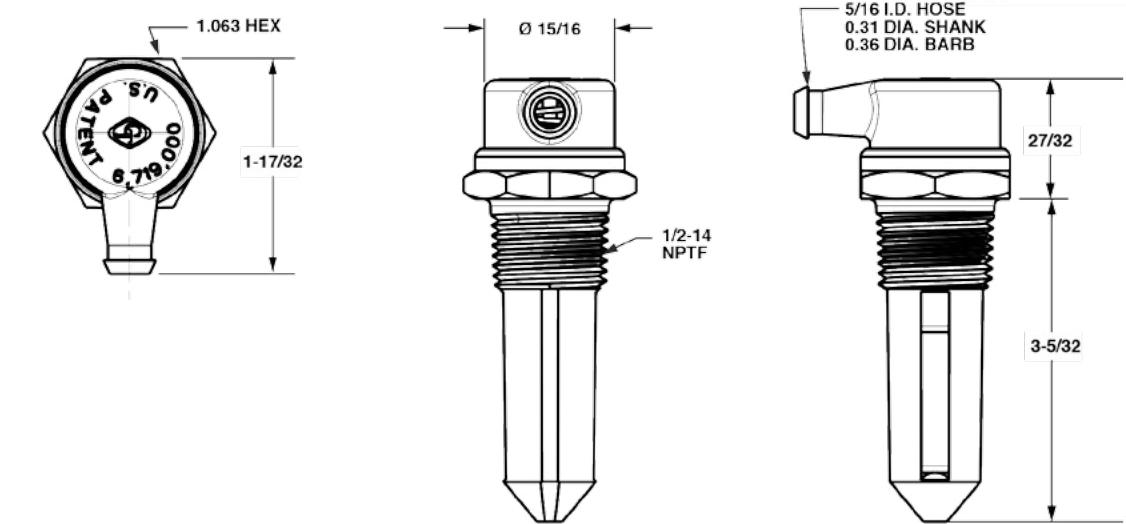
70 SCFH @ 18" water pressure

Hex size:

1.063"



Dimensions (Inches)



1/2" NPT high flow fuel tank vent

Models	Thermal Relief	Pressure Relief	Diesel/Gas
2989-11	● Yes	Yes	Diesel

● In stock

◆ Please call 1.800.514.0129 for availability

Evenly distributes return flow of fuel to the fuel tanks
Eliminates the need for a crossover line
Features identical variable flow openings to control return fuel flow
Provides proper fuel balance in dual tank systems

Technical data

Material:
Heavy duty zinc die cast construction

Operating temperature:
-40°F to 180°F (-40°C to 82°C)

Port size:

1/2" NPT

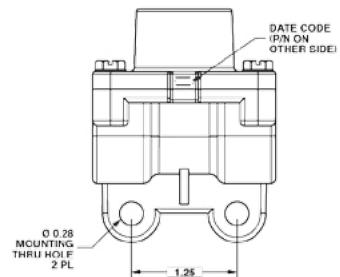
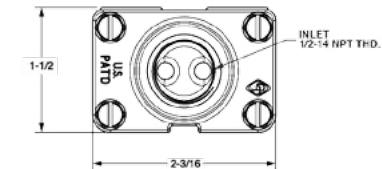
Flow:

A2252-2D: Fuel flow of 60 GPH the back pressure is approximately 13 inches H2O when both ports are open, and 30 inches when the ports are closed

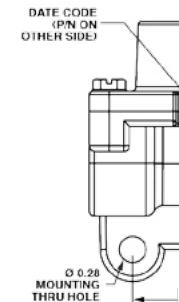
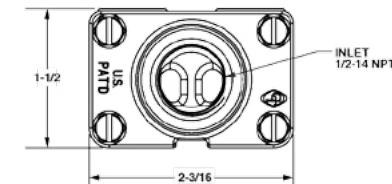
2252-1: Fuel flow of 60 GPH, the back pressure is approximately 20 inches H2O

Dimensions (Inches)

Return Flow Splitter
2252-1



High-flow Return Flow Splitter
A2252-2



Return Flow Splitter, Tee, 1/2" ports

Models	Port Size	Thread Type	Flow
A2252-2D	● 1/2"-14	NPT	High
2252-1D	● 1/2"-14	NPT	Standard



The valves separate in the event of an impact and seal off both the fuel tanks and crossover lines

Prevents loss of fuel while leaving the system intact

Available in different mounting configurations for various applications

Valve shall flow less than 4.0 GPM of diesel fuel #2 at 70°F (21°C) at a different pressure of 1psi

Technical data

Operating temperature:
-40°F to 185°F (-40°C to 85°C)

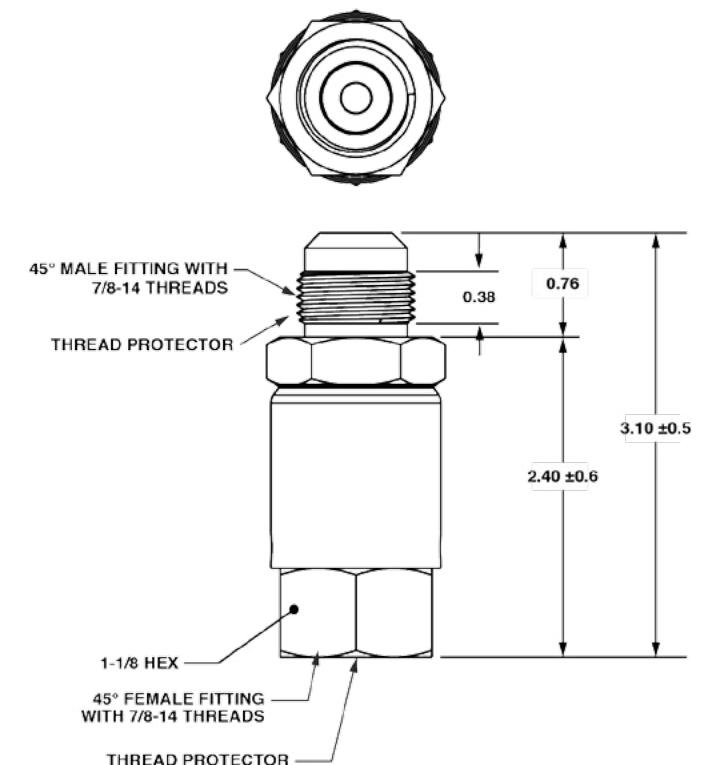
Port size:

Male end: 7/8"-14 NPT

Female end: 7/8"-14 NPT



Dimensions (Inches)



Fuel Crossover Line Protection

Models	Port Size	Thread Type
2200-1	● 7/8"-14	NPT

● In stock

◆ Please call 1.800.514.0129 for availability



NOTES

NOTES

Model No.	Page	Model No.	Page	Model No.	Page
1006-11	11	95 4331 20M	34	95 4111 20M	36
3281-1	12	95 4331 29M	34	95 4111 21M	36
3281-2	12	95 4331 13M	34	95 4111 30M	36
3281-3	12	95 4331 21M	34	94 4514 04M	36
3281-4	12	95 4331 30M	34	94 4514 06M	36
3281-5	12	95 4331 98M	34	94 4514 07M	36
3281-6	12	95 4331 31M	34	94 4514 08M	36
3200-1A	13	95 4331 49M	34	95 403701M	37
3202-1A	14	95 4331 55M	34	A104000404074	37
3220-1	15	94 4114 04M	34	A106000606074	37
3222-1	16	94 4114 10M	34	A106000648473	37
134-4	17	94 4114 18M	34	5030-111	39
251-12B	18	94 4114 06M	34	5030-211	39
251-21A	19	94 4114 12M	34	5030-310B	39
3000	20	94 4114 20M	34	85020-0	40
3013-14	21	94 4114 29M	34	5025-1	41
3013-5	22	94 4114 13M	34	7201-70	43
223-355V	26	94 4114 21M	34	7239-58	43
223-365	26	94 4114 30M	34	7202-70	43
223-385V	26	94 4114 49M	34	7203-70	43
223-455V	26	94 4511 04BP	34	48C34901	43
223-485V	26	94 4511 06M	34	48C34902	43
223-565	26	94 4511 07M	34	48C34903	43
223-585-2	26	94 0509 04BP	34	48C34904	43
5200-75	27	94 0509 06BP	34	48C34905	43
5040-111-01C	29	94 0509 07BP	34	48C34906	43
5040-211-01C	29	95 4600 04M	34	48C34907	43
5040-311-01C	29	95 4600 10M	34	48C34908	43
4000-1	30	95 4600 06M	34	48C34909	43
4000-8D	30	95 4600 12M	34	48C34910	43
4111-2	31	95 4600 20M	34	31302-1	46
95 4530 04M	33	95 4600 29M	34	8103	46
95 4530 10M	33	95 4600 13M	34	8105-2	46
95 4530 18M	33	95 4600 21M	34	8110-1	46
95 4530 06M	33	95 4600 30M	34	8111-1	46
95 4530 12M	33	95 4600 22M	34	8120-1	47
95 4530 20M	33	95 4600 31M	34	8121-1	47
95 4530 29M	33	95 4600 49M	34	8130-1	47
95 4530 13M	33	95 4597 04M	35	8131-1	47
95 4530 21M	33	95 4597 02M	35	201-1	50
95 4530 30M	33	95 4586 28M	35	201-3	50
95 4530 22M	33	95 4586 13M	35	2113-1	50
95 4530 31M	33	95 4586 17M	35	2989-11	51
95 4530 49M	33	95 4586 07M	35	A2252-2D	52
95 4530 55M	33	95 4586 05M	35	2252-1D	52
94 4507 04M	33	95 4586 27M	35	2200-1	53
94 4507 06M	33	95 4586 03M	35		
95 4355 04M	33	95 4586 10M	35		
95 4355 20M	33	95 4586 04M	35		
95 4355 30M	33	95 4586 26M	35		
94 4504 48M	33	95 4586 20M	35		
94 4504 64M	33	95 4586 11M	35		
95 4570 06M	33	95 4112 10M	35		
95 4570 01M	33	95 4112 12M	35		
95 4570 03M	33	95 4565 03M	36		
95 4570 04M	33	95 4565 04M	36		
95 4570 05M	33	95 4565 01M	36		
95 4570 07M	33	95 4565 02M	36		
95 4331 03M	34	95 4590 02M	36		
95 4331 04M	34	95 4590 12M	36		
95 4331 10M	34	95 4590 16M	36		
95 4331 18M	34	95 4590 10M	36		
95 4331 27M	34	95 4590 04M	36		
95 4331 06M	34	95 4111 04M	36		
95 4331 12M	34	95 4111 12M	36		

Warning

These products are intended for use in industrial systems only. Do not use these products where pressures and temperatures can exceed those listed under Specifications.

Before using these products with fluids other than those specified, for nonindustrial applications, life-support systems, or other applications not within published specifications, consult Norgren.

Through misuse, age, or malfunction, components used in fluid power systems can fail in various modes. The system designer is warned to consider the failure modes of all component parts used in fluid power systems and to provide adequate safeguards to prevent personal injury or damage to equipment in the event of such failure modes.

System designers must provide a warning to end users in the system instructional manual if protection against a failure mode cannot be adequately provided. System designers and end users are cautioned to review specific warnings found in instruction sheets packed and shipped with these products, or posted on the Norgren website under "Downloads." System designers should also provide for all OSHA requirements including Title 29 CFR 1910.147 Lockout/Tagout.

It should be recognized that warnings are valid for any product, regardless of manufacturer, and are not restricted to products manufactured by Norgren. Norgren's reputation for product quality and performance is well established. We feel we have the additional obligation to provide information or warnings to customers to assist them in applying our products in a reasonable and safe manner.

Proposition 65: This product contains chemicals known to the state of California to cause cancer, or birth defects, or other reproductive harm.

Warranty

Items sold by Norgren are warranted to be free from defects in materials and workmanship for a period of two years* from the date of invoice, provided said items are used according to Norgren's recommended usages. NORGEN'S LIABILITY IS LIMITED TO THE REPAIR OF, REFUND OF PURCHASE PRICE PAID FOR, OR REPLACEMENT IN KIND OF, AT NORGEN'S SOLE OPTION, ANY ITEMS PROVED DEFECTIVE, PROVIDED THE ALLEGEDLY DEFECTIVE ITEMS ARE RETURNED TO NORGEN PREPAID. THE WARRANTIES EXPRESSED ABOVE ARE IN LIEU OF AND EXCLUSIVE OF ALL OTHER WARRANTIES. THERE ARE NO OTHER WARRANTIES, EXPRESSED OR IMPLIED, EXCEPT AS STATED HEREIN.

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Norgren reserves the right to discontinue manufacture of any product or change product materials, design, or specifications.

1

CAB CONTROLS

WIPER WASHER CONTROLLERS
DASH VALVES
TOGGLE-STYLE AIR/ELECTRIC SWITCHES
TOGGLE-STYLE AIR SWITCHES
FLIPPER CONTROL VALVES
PNEUMATIC SEAT VALVES
COMBINATION SEAT VALVES
PNEUMATIC PADDLE SEAT CONTROL VALVES
COMBINATION PADDLE SEAT CONTROL VALVES

**2**

AIR MANAGEMENT

PRESSURE PROTECTION VALVES (PPV)
INLINE PRESSURE PROTECTION VALVES (PPV)
LIFT AXLE CONTROL MODULES
FASTBRAKE QUICK EXHAUST VALVES
RAPID DUMP VALVES
DOT VEHICLE PUSH-TO CONNECT FITTINGS
CHECK VALVES
SOLENOID VALVES
SOLENOID AIR VALVES
AIR SOLENOID ACCESSORY PACK

**3**

FUEL SYSTEM

FUEL TANK CAPS
FUEL TANK VENTS
HIGH-FLOW FUEL TANK VENTS
RETURN FLOW SPLITTERS
LINEGARD® BREAKAWAY VALVES



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