

PressureGuard Automatic Tire Inflation Systems

SYSTEM ORDERING GUIDE

SYSTEM PART NO. EXAMPLE:	1	2	4	2	1	2	2	100	3
SPECIFICATION:	Functionality	No. of axles	Tire type / size	Hubcap type	Axle drilling	Axle Spindle I.D.	Regulator mounting	Tire pressure	Electrical harness
	1 = Inflate only	1 = Single axle	1 = Single tires up to 19.5"	1 = Integral, grease	1 = 1 hole, 1/8"	0 = Solid spindle	1 = Open bracket	085 = 85 psi	0 = No electrical harness, no low-pressure warning light
	2 = Inflate/deflate	2 = Tandem axle	2 = Dual tires up to 19.5"	2 = Integral, oil	2 = 1 hole, 1/4"	1 = 1.75" (N, conic)	2 = Enclosure	090 = 90 psi	1 = Power from 7-way socket, standard length harness
	3 = Other	3 = Tri-axle	3 = Single tires 22.5"+	3 = Rotating, grease	3 = 3 holes, 1/8"	2 = 2.75" (P, parallel)		095 = 95 psi	2 = Power from 7-way socket, pre-assembled harness
		4 = Quad-axle	4 = Dual tires 22.5"+	4 = Rotating, oil	4 = 3 holes, 1/4"	3 = Other		100 = 100 psi	3 = Power from ABS controller, standard length harness
		5 = Etc.	5 = Combination of single & dual tires	5 = Screw-on, grease	5 = 3 holes, Intraax			105 = 105 psi	4 = Power from ABS controller, custom length harness
				6 = Screw-on, oil				110 = 110 psi	
				7 = Other				115 = 115 psi	
								120 = 120 psi	
								125 = 125 psi	

SYSTEM PART

NO. EXAMPLE: 1242-12-2100-3

DESCRIPTION: Standard system inflate only, tandem axle trailer, dual tires 22.5"+, integral oil hubcaps, 1-hole axle drilling 1/8" holes, P spindle 2.75" i.d., regulator mounted in enclosure, 100 psi tire pressure setting, ABS power w/standard length harness



Integral hubcap



Rotating hubcap



Screw-on hubcap

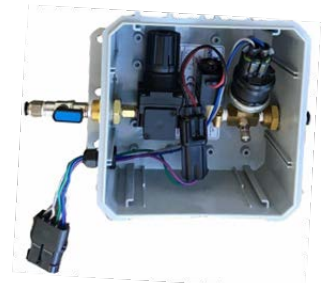
Regulator in Open bracket



Regulator In enclosure



Deflation regulator



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ELECTRICAL HARNESS NOTES:

- 1 - Basic harness: 70' length, female .180 bullet connectors at low-pressure warning light connection, Delphi connector at low-pressure sensor, installer responsible for cutting and splicing power line at 7-pole socket
- 2 - Pre-assembled harness: 5' from low-pressure warning light to junction, 5' from junction to 7-pole socket, 55' from junction to low-pressure sensor, all terminals plug-in ready
- 3 - Pre-assembled harness: Standard lengths - 66' from low-pressure warning light to low-pressure sensor, 21' from low-pressure sensor to ABS controller, all terminals plug-in ready
- 4 - Pre-assembled harness: Custom lengths - customer-specified lengths from low-pressure warning light to low-pressure sensor and from low-pressure sensor to ABS controller, all terminals plug-in ready

Typical harness for ABS power connection:



Adapter for ABS power connection

TIRE HOSE NOTES:

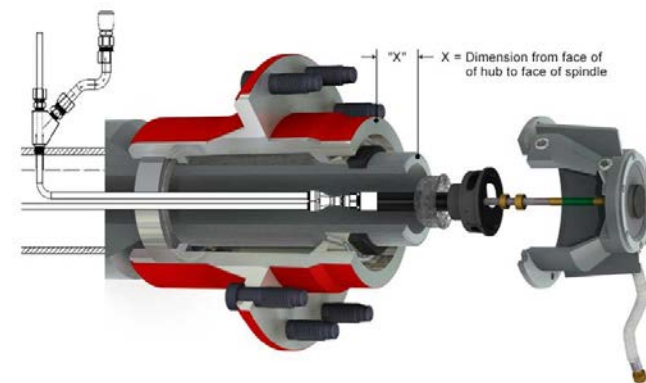
PressureGuard will provide tire hoses with the following tire-end fittings unless instructed otherwise:

- Dual tire applications will have straight fittings for the inner tire hoses and 180° fittings for the outer tire hoses (include photos of each)
- Single tire applications will have straight fittings for the single tire hoses
- In case of any doubt on sizing please refer to PressureGuard's Parts Manual (<http://pressureguard.com/wp-content/uploads/2017/02/Parts-Manual-17-0220.pdf>) for hose lengths

ROTATING SHAFT NOTES:

PressureGuard rotating shafts are sized to accommodate the following range of "X" dimensions per the diagram to the right. Please contact us for alternate rotating shaft lengths if your "X" dimension falls outside of these ranges.

- N spindle axles: 0" - 1.5"
- P spindle axles: 0" - 1.5"
- Other spindle axles: Consult PressureGuard technical service



The "X" dimension shown to the left represents the horizontal distance between the outboard surface of the hub and the outboard surface of the axle spindle. In rare instances it can be a negative value if the axle does not protrude beyond the hub.

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