

High Pressure Flat-Form Air Bags

Sava manufactures pneumatic high-pressure flat-form heavy lifting air bags reinforced with Kevlar® cord for heavy-duty, low profile heavy lifting, emergency rescue, HAZMAT management or industrial use. Sava Flat-Form design lifting bags eliminate the need for complicated height/ weight computation graphs and uncertain lifting height calculations. Simply stated, a 34.1 ton bag will lift 34.1 tons to the specified height (see table below). Flat-Form bags safely link together when stacked, eliminating slipping or violent ejection. Maximum of three bags can be safely stacked. Flat-Form bags retain their flat profile, eliminating rolling and shifting. Heavy-duty design and Kevlar reinforcing insure longlife. Greater lifting height (up to 24" per single lift with 3 stacked bags).



Technical Data – Flat Form Lifting Bags

Part Number		519883	519884	519885	519886
Size	inch	22"x22"	24"x24"	31"x31"	36"x36"
Thickness	inch	1.1"	1.1"	1.1"	1.1"
Weight	LBS	18 lbs	23 lbs	38 lbs	52 lbs
Lift Height	inch	6.7"	6.7"	8"	8"
Maximum Load	US Tons	7.7 tons	12 tons	20 tons	35 tons
Inflation Pressure	PSI	116 PSI	116 PSI	116 PSI	116 PSI
Test Pressure	PSI	152 PSI	152 PSI	152 PSI	152 PSI
Burst Pressure(min.)	PSI	+218 PSI	+218 PSI	+218 PSI	+218 PSI

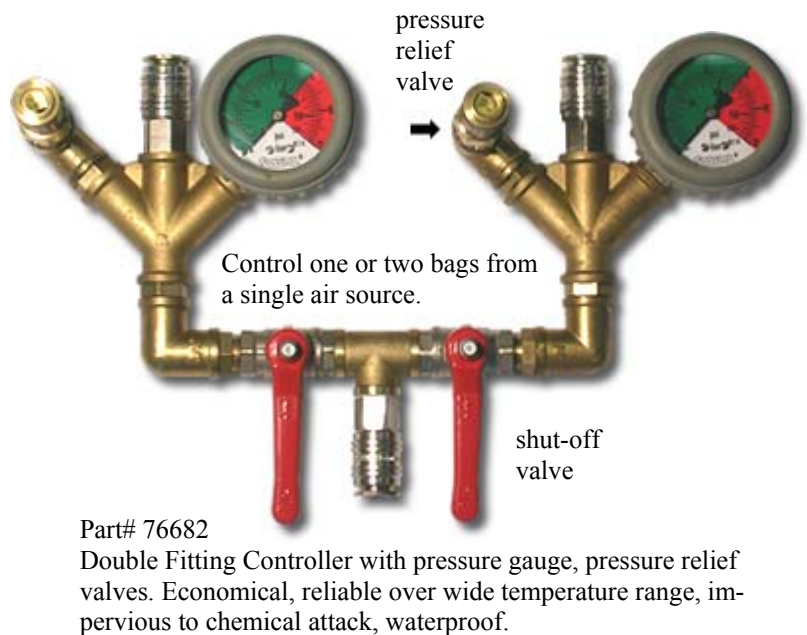
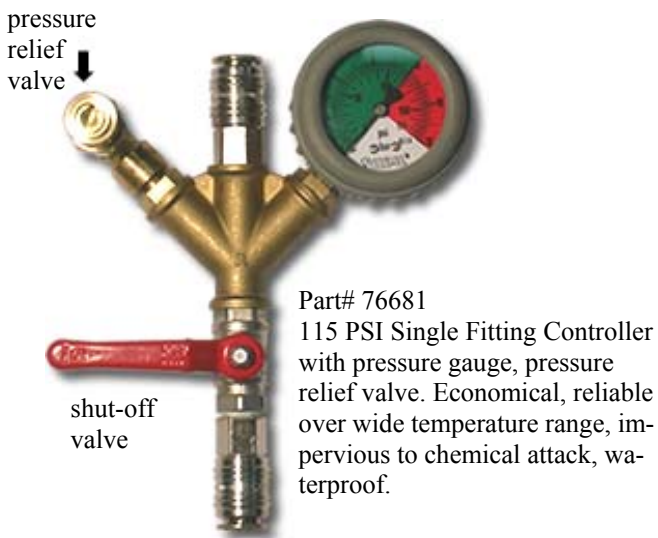
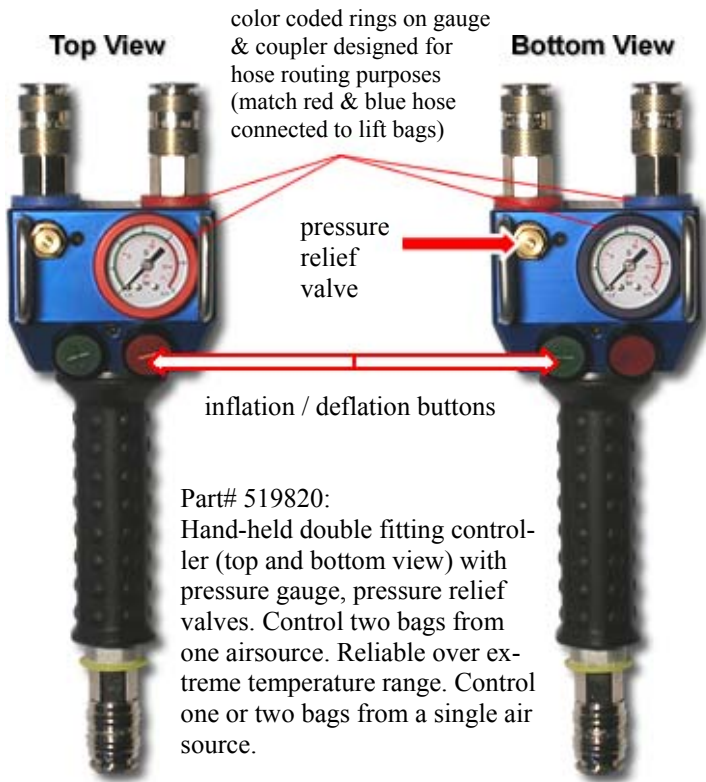
Recommended Controller:

Part# 528134
 Triple deadman controller with built-in pressure relief valves to prevent over-inflation and safety couplers to eliminate accidental hose disconnection. This unit also features color coded inflation ports to make it easier to identify hose routing. Variable pressure control toggle levers precisely control inflation & deflation. Working temperature range: -4°F to 131°F (-20° C to 55°C).



Part#	Flat bag connectors for 22" (519883) & 24" (591884) flat bags
529480	Set of dual flat bag connectors
529481	Set of triple flat bag connectors
	Flat bag connectors for 31" (519885) & 36" (519886) flat bags
530543	Set of dual flat bag connectors
530545	Set of triple flat bag connectors





Available Regulators:

Recommended Regulator: (72128-3)

Fill port. Allows for cylinder refilling without removing the regulator

Pressure control. Adjustable from 0-200 PSI

Output port. Safety couplers will not inadvertently uncouple

No adjustment or resetting required for this regulator

Gauges. Monitor output & source pressure. Fully waterproof & submersible

universal hand tighten nut compatible with CGA 346 & CGA 347 SCBA cylinders.



Economy Regulator: (72128-1)



universal hand tighten nut compatible with CGA 346 & CGA 347 SCBA cylinders.

Part# 72128-1

6,000 PSI Diaphragm type single-stage regulators (economical, reliable), 200-6000 PSI input, 0-200 PSI variable output (adjustable).

Part# 72128-3

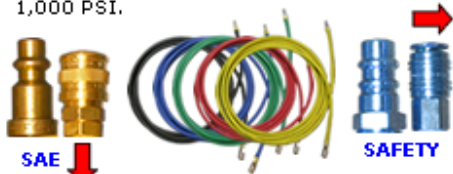
2 stage pressure regulator for high pressure cylinders. Lightweight machined aluminum construction with anodized finish. Designed for lifting bags, inflatables, air tools, cutters, impact tools, nibblers,

Working pressure range: Input: 0-4500 PSI | Output: 0-120 PSI

Working temperature range: -20°F to 180°F (-29°C to 82°C)

Available Hoses & Valves:

3/8"ID all-weather inflation hoses. Weather stability from -40F to +212F, also resistant to oil & fuel degradation & remains flexible in low temperatures. Fiber reinforcement braid insures minimum burst pressure of 1,000 PSI.



Item#	Length	Fittings	Color
77682S16	16'	SAE	Yellow
77682S32	32'	SAE	Yellow
76683S16	16'	SAE	Red
76683S32	32'	SAE	Red
77679S16	16'	SAE	Blue
77679S32	32'	SAE	Blue
77680S16	16'	SAE	Green
77680S32	32'	SAE	Green
77678S16	16'	SAE	Black
77678S32	32'	SAE	Black

Item#	Length	Fittings	Color
77682SC20	20'	Safety	Yellow
77682SC35	35'	Safety	Yellow
77682SCV20	20'	Safety/Relief	Yellow
77682SCV35	35'	Safety/Relief	Yellow
76683SC20	20'	Safety	Red
76683SC35	35'	Safety	Red
76683SCV20	20'	Safety/Relief	Red
76683SCV35	35'	Safety/Relief	Red
77679SC20	20'	Safety	Blue
77679SC35	35'	Safety	Blue
77679SCV20	20'	Safety/Relief	Blue
77679SCV35	35'	Safety/Relief	Blue
77680SC20	20'	Safety	Green
77680SC35	35'	Safety	Green
77680SCV20	20'	Safety/Relief	Green
77680SCV35	35'	Safety/Relief	Green
77678SC20	20'	Safety	Black
77678SC35	35'	Safety	Black
77678SCV20	20'	Safety/Relief	Black
77678SCV35	35'	Safety/Relief	Black

1/4" SAE coupler

1/4" SAE nipple



16' or 32' hose with SAE fittings

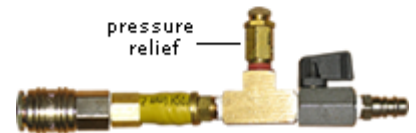
1/4" SAFETY coupler

1/4" SAFETY nipple



20' or 35' hose with Safety fittings (interlocking nipple & coupler)

pressure relief



20' or 35' hose with Safety fittings, shut-off & pressure relief valve

Part# DVLB-1SC

Inline control, shut-off valves. Necessary for times when you want to disconnect a hose without deflating the bag. Over-inflation protection is usually not needed if pressure from the source is at or below maximum bag pressure 115PSI (8 bar).



Part# 60844EULRV

Safety pressure relief valves will provide an extra measure of protection against runaway over pressurization caused by a high pressure regulator failure when the ultimate source pressure is higher than 115 PSI.