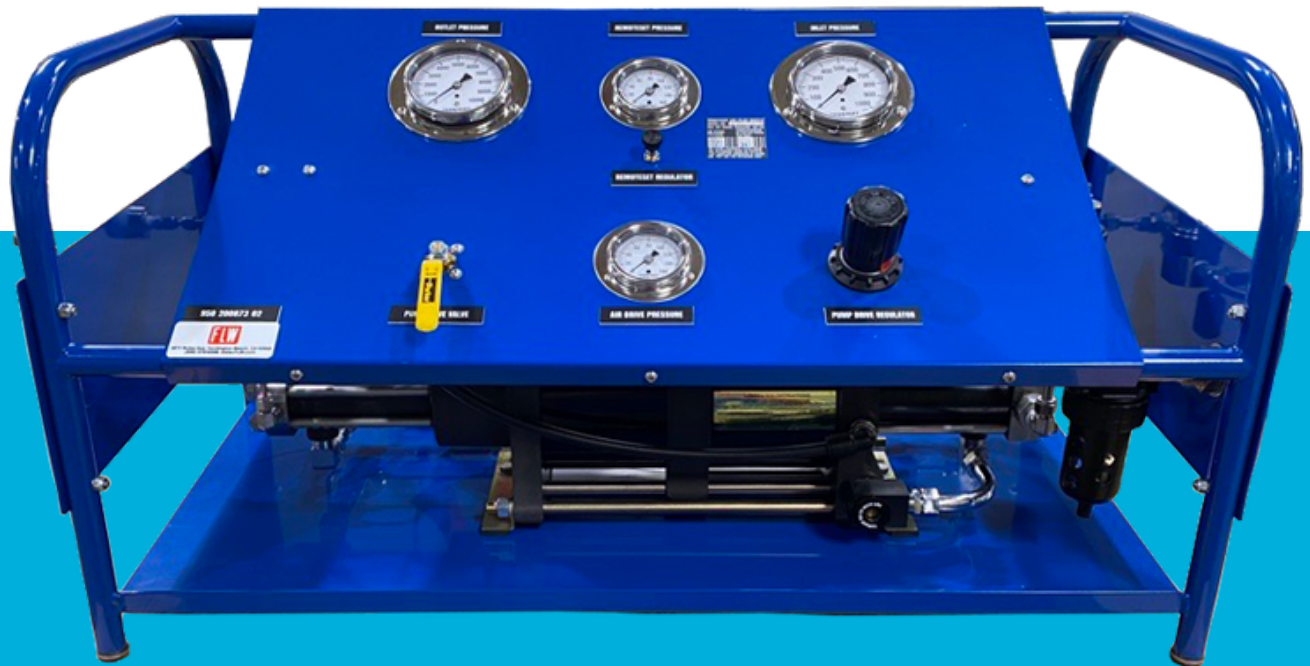




Helping People
Measure, Control, & Calibrate

Standard Engineered
SYSTEMS



LEAD TIME 1-2 WEEKS
(Based On Parts Availability)

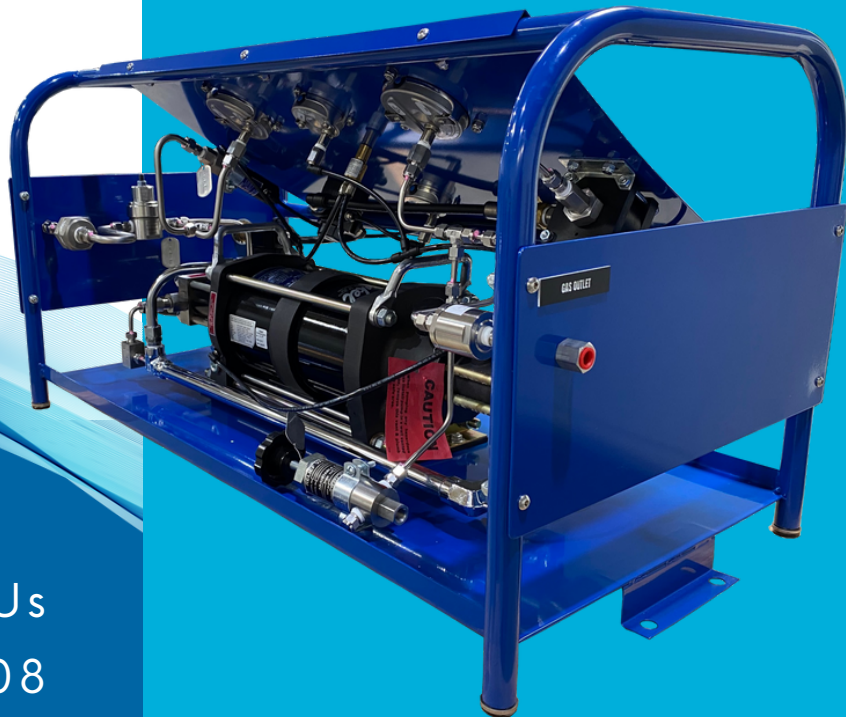
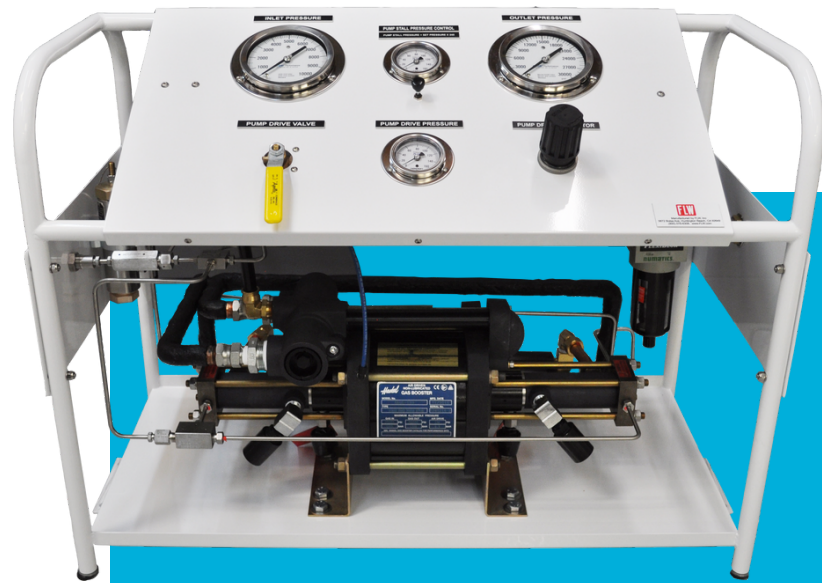
Contact Us
(800) 576-6308
www.flw.com/systems

COMPACT MANUALLY OPERATED RELIABLE

Standard gas booster systems are designed and assembled by FLW at our 5000 sq ft Huntington Beach CA shop facility. These roll bar systems are designed for use in a variety of applications including gas accumulator charging, pressure & leak testing, pressurization of gas cylinders, and gas transfer, boosting or mixing. They are compact, simple to operate, easy to maintain and can be transported to wherever your application needs take you. These require only shop air to run and no electricity is required.

Common standard system components include:

- Booster with external pilot modification to enable use with external components to start/stop the booster
- Adjustable air pilot switch used to stop the booster when supply pressure falls below set point
- Adjustable remoteset air pilot switch used to stop the booster when outlet pressure reaches adjusted set point
- Pressure gauge indicating inlet/outlet pressures
- Inlet/outlet gas filters are used to stop any ingested contamination from entering the booster and to protect customer's process
- In-line air filter for maintaining air drive quality
- Adjustable air regulator used to set air drive pressure
- Manual on/off valve and speed control used to adjust cycling speed of the booster
- Relief valve used to protect the booster & other components from over-pressurization



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STANDARD ROLL BAR GAS BOOSTER SYSTEM SPECIFICATIONS

GAS BOOSTER

DOUBLE BOOSTER

2-STAGE BOOSTER

FLW P/N	RATIO	MAX RATED PRESSURE (PSIG)	MIN INLET PRESSURE (PSIG)	MAX INLET PRESSURE 2-STAGE ¹	OUTLET STALL PRESSURE FORMULA ²	NOMINAL FLOW (SCFM) ³
950-20010	1.5:1	In=300 Out=300	ATM	—	(1.5 X Pa) + Ps	6-18
950-20011	4:1	In=1250 Out=1250	ATM	—	(4 X Pa) + Ps	4-30
950-20012	7:1	In=2500 Out=2500	25	—	(7 X Pa) + Ps	4-16
950-20013	14:1	In=2500 Out=2500	25	—	(1.5 X Pa) + Ps	8-30
950-20014	15:1	In=5000 Out=5000	50	—	(15 X Pa) + Ps	6-28
950-20015	30:1	In=9000 Out=9000	100	—	(30 X Pa) + Ps	8-20
950-20016	32:1	In=5000 Out=5000	50	—	(30 X Pa) + Ps	9-26
950-20017	62:1	In=9000 Out=9000	200	—	(60 X Pa) + Ps	4-17
950-20018	75:1	In=20,000 Out=20,000	250	—	(70 X Pa) + Ps	2-13
950-20019	150:1	In=25,000 Out=25,000	250	—	(150 X Pa) + Ps	4-19
950-30010	4:1	In=1250 Out=1250	1/4 ATM	—	(4 X Pa) + Ps	1-3
950-30011	7:1 to 15:1	In=2500 Out=5000	25	6 X Air Drive Pressure	(15 X Pa) + (2 X Ps)	1-3
950-30012	7:1 to 30:1	In=2500 Out=9000	25	2 X Air Drive Pressure	(30 X Pa) + (4 X Ps)	1-2
950-30013	14:1 to 30:1	In=2500 Out=9000	25	4 X Air Drive Pressure	(60 X Pa) + (4 X Ps)	1-3
950-30014	15:1 to 30:1	In=2500 Out=9000	50	15 X Air Drive Pressure	(30 X Pa) + (2 X Ps)	1-6
950-30015	15:1 to 75:1	In=5000 Out=15,000	100	3.5 X Air Drive Pressure	(75 X Pa) + (5 X Ps)	1-2
950-30016	30:1 to 60:1	In=5000 Out=9000	100	30 X Air Drive Pressure	(60 X Pa) + (2 X Ps)	2-8
950-30017	30:1 to 75:1	In=9000 Out=15,000	100	20 X Air Drive Pressure	(75 X Pa) + (2.5 X Ps)	1-4
950-30019	30:1 to 150:1	In=5000 Out=15,000	100	7 X Air Drive Pressure	(150 X Pa) + (5 X Ps)	1-2
950-30021	60:1 to 150:1	In=3600 Out=25,000	100	40 X Air Drive Pressure	(150 X Pa) + (2.5 X Ps)	1-5

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¹ 2-Stage boosters will stall if inlet pressure exceeds below guidelines

² Booster will stall when force against outlet piston equals air drive force created by air drive pressure
Pa = Air Drive Pressure / Ps = Gas Supply Pressure

³ With 90 PSIG @ 25 SCFM Air Drive