

A.S.M.E. 4-TANK STORAGE SYSTEM AS7-4H & AS7-4V

*Shown without valves.
Plumbing dependent
on your usage.*



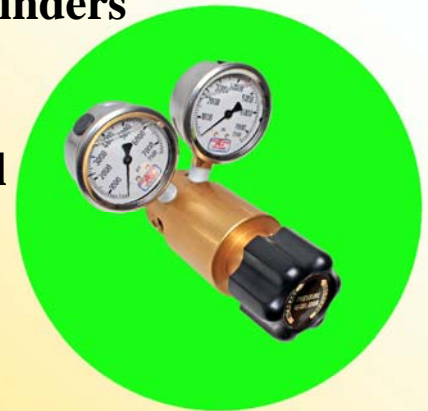
AS7-4H



AS7-4V

INCLUDES:

- 4 New Dual-Rated ASME 5350 & 7000psi Cylinders
- Safety Valves in Each Cylinder
- All Valves, Fittings & Connections
- Painted Mounting Rack, Stackable or Vertical
- Drain Port Valves in Each Cylinder
- 2 1/2 " Gauge Available for Each Cylinder,
Depending on Application
- 5-Year Parts Warranty



AS7-4HR & AS7-4VR Include Adjustable Regulator

**DELIVERY AND HOOK-UP INCLUDED AT NO CHARGE
WITH PURCHASE OF A COMPRESSOR**

Suggested purchasing specifications are on the back of this page

10/14



BREATHING AIR SYSTEMS

8855 E. Broad St., Reynoldsburg, OH 43068 - Phone: (614) 864-1235
SALES: (800) 937-2479 FAX: (614) 864-0071 sales@breathingair.com

www.breathingair.com

Ocala, FL
(352) 629-7712

Chattanooga, TN
(423) 634-3184

Moweaqua IL
(217) 768-4408

Michigan Center, MI
(517) 783-4060

Pittsburgh, PA
(412) 564-5756

Service facilities throughout the United States

SUGGESTED PURCHASING SPECIFICATIONS

Made in the U.S.A.

BREATHING AIR SYSTEMS CASCADE SYSTEM AS7-4 (without regulator)
or CASCADE SYSTEM AS7-4R (with regulator), or equivalent

- 1 The system shall be comprised of four (4) new dual rated psi, ASME approved, 504 cu.ft @ 5250 psi or 605 cu.ft. @ 7000 psi, 9-1/2" x 55" cylinders.
- 2 Each cylinder is to be ported for moisture removal. Cylinders are to be painted yellow with a 9"x6" vinyl label stating the cylinders pressure rating and gas the cylinder is being used for. Each cylinder is to have been internally inspected prior to valving and an inspection sticker attesting to this shall be placed on the cylinder.
- 3 Each cylinder is to be fitted in one end port with an appropriate spring-loaded safety relief valve. Safety valves shall be wire sealed. In the other end port of each cylinder is to be fitted a 2-1/2" 0-7500 psi gauge, a shut-off valve and a tee fitting. The cylinders are to be connected to each other with flexible pigtailed, in sequence. the side or bottom port of each cylinder is to be fitted with a drain valve.
- 4 The cylinders are to be mounted and secured in a solidly constructed steel rack, horizontally, 2 wide by 2 high or in a free standing vertical rack. This rack is to be adaptable to the stacking of additional racks later, if desired, (horizontal rack only). Add H or D to the part number, to indicate horizontal or vertical rack.
- 5 A high-pressure flexible 6000 psi hose of 8' length is to be provided to connect the cascade system to the compressor.
- 6 A five year warranty is to be provided on all cascade components, including cylinders, valves, fittings, gauges, etc.

Note: If this cascade system is being purchased along with a compressor, the following may be added as specification number 7.

- 7 The delivery technician will hook up all of the above components at the time of the compressor start-up and test the entire system to full working pressure.

Prices and Specifications are subject to change without notice

NUMBER OF SMALL CYLINDERS THAT CAN BE FILLED FROM YOUR STORAGE SYSTEM

Storage Cylinders, type and pressure	Number of Cascade Cylinders	30-minute SCBA Cylinders 2216 psi	30-minute SCBA Cylinders 4500 psi (5500psi)	45-minute SCBA Cylinders 4500 psi (5500psi)	60-minute SCBA Cylinders 4500 psi (5500psi)	75-minute SCBA Cylinders 5500 psi	80 cubic foot Scuba 3000 psi
ASME type filled to 6000 psi	2	21	10 (3)	7 (1)	5 (1)	1	9
	3	33	20 (8)	15 (4)	10 (3)	2	16
	4	46	36 (13)	25 (7)	15 (5)	4	22
DOT type rated 6000 psi filled to 6000 psi	2	25	13 (3)	9 (2)	6 (1)	1	12
	3	38	24 (8)	17 (5)	11 (3)	3	18
	4	55	38 (13)	28 (8)	19 (5)	5	28
	6	85	65 (23)	48 (14)	32 (10)	9	37
	8	115	92 (33)	69 (20)	46 (14)	13	61
ASME type filled to 5000 psi	2	17	5 (**)	3 (**)	2 (**)	**	3
	4	28	12 (**)	9 (**)	6 (**)	**	13
	6	39	20 (**)	14 (**)	9 (**)	**	19
	8	61	28 (**)	23 (**)	18 (**)	**	31
DOT type rated 5000 psi filled to 5000 psi	2	19	6 (**)	4 (**)	3 (**)	**	8
	4	44	22 (**)	16 (**)	11 (**)	**	22
	6	68	41 (**)	30 (**)	20 (**)	**	35
	8	92	61 (**)	45 (**)	30 (**)	**	49
	10	117	82 (**)	61 (**)	41 (**)	**	62
DOT type rated 4500 psi filled to 4500 psi	2	18	**	**	**	**	6
	4	41	**	**	**	**	17
	6	65	**	**	**	**	32
	8	88	**	**	**	**	45
	10	111	**	**	**	**	58

****When filling 4500 psi SCBAs from a 4500 psi storage bank, you will never get a totally filled cylinder. Several will be within the 80% range**

NOTE 1: These numbers are based on the small cylinders having been depleted down to their alarm or reserve pressure, and on using the cascade method of refilling.

NOTE 2: The use of an air-powered booster pump will increase the number of refills significantly, up to 50% more.