

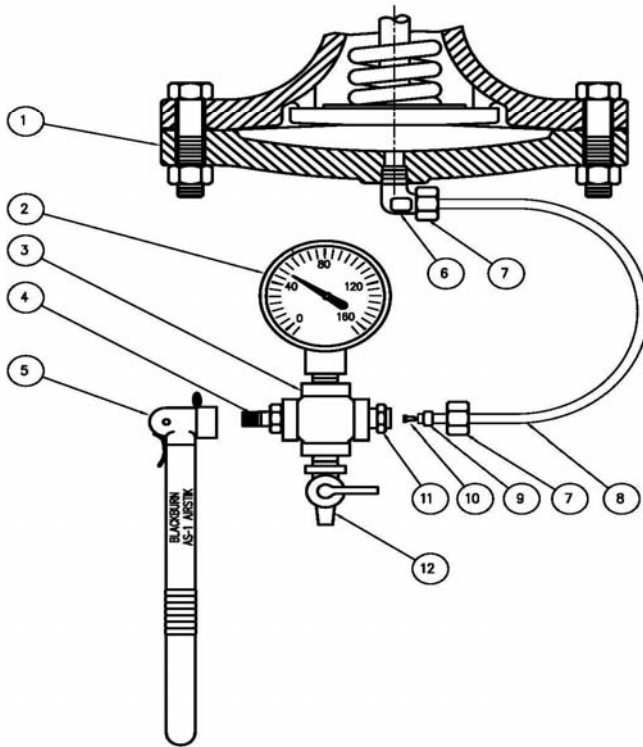


COMPANY NEWSLETTER

April 2006

Manufacturers of Spence Regulators, Safety Valves, Nicholson Steam Traps, Spence Strainers International & Rockwood Swendeman Products

The Most Useful Tool For Repairing A Spence Regulator



	DESCRIPTION	PART No./VENDOR	QTY
1	VALVE	PROVIDED BY CUSTOMER	1
2	GAGE *	U.S. GAUGE (AMETEK) P500, 1/8 NPT LM, 2", 0/160 PSIG	1
3	CROSS BRONZE *	1/8 NPT	1
4	SCHRADER #645 AIR VALVE	05-06069-00	1
5	AIR PUMP*	BLACKBURN AIRSTIK AS-1	1
6	ELBOW, 5B	05-07386-00	1
7	NUT	05-02841-00	2
8	5/16" TUBING *	IMPERIAL EASTMAN 55PBK	3 FT
9	FERRULE	05-04915-00	2
10	INSERT*	IMPERIAL EASTMAN 259N05	2
11	COUPLING, 4B	05-07385-00	1
12	PETCOCK *	LUNKENHEIMER #476 X 1/8NPT	1

* PURCHASE LOCALLY

The drawing and bill of materials, shown above, make up what Jeff Tier considered to be "the most useful tool" for repairing a Spence valve, the air pump. Here is a list of some of its uses:

1. Stroking and locking open a Spence pilot-operated main valve for disassembly.
2. Lift test to determine if the main valve has a heavy (HP) or light (LP) main spring.
3. Manually stroking a main valve to clear an obstruction from between the seat and disc.
4. Checking main valve to see if it has broken diaphragms.
5. Stroking the main valve fully open to check if the valve has sufficient capacity to satisfy system demand.
6. Manually loading an A Series pilot.
7. Manually stroking a pneumatic control valve.
8. Checking/resetting the bench setting on pneumatic control valves.
9. Checking pneumatic positioners.