94261 Vapor Recovery Regulator

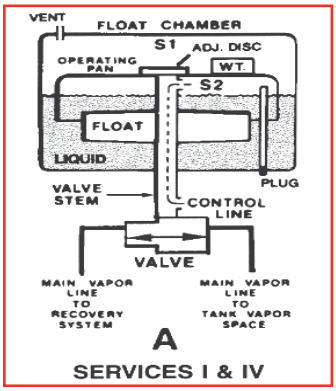
The Shand & Jurs 94261 Vapor Recovery Regulator is a float-operated pressure regulator utilizing a weight balanced float to establish a set point. This highly accurate and extremely sensitive regulator is used to maintain close pressure control of low pressure tanks and meets requirements for vapor recovery.

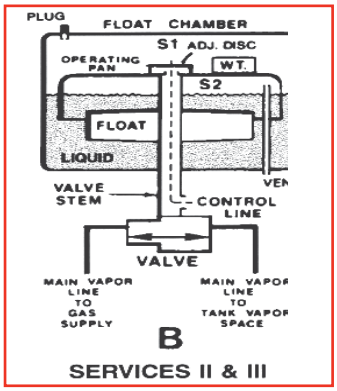
The primary purpose of this vent is to conserve vapor loss before atmospheric venting or to provide a closed venting system. It has the capacity of providing simple adjustment of set points by adding or removing weights.

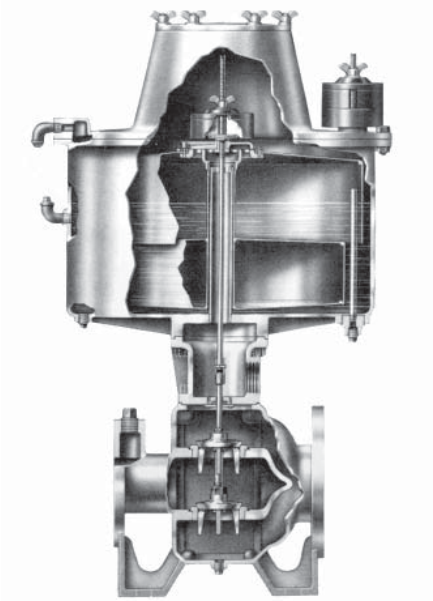
The 94261 is a totally self-actuated regulator requiring no outside source of energy for its operation. A straight forward mechanical design using a minimum of moving parts provides for long service life with minimum maintenance.

In Figure A, when positive pressure above set point exists in the tank, it allows gas vapors to be moved. At this point, the gas pressure in space with atmosphere pressure in S1, will raise the valve assembly and permit vapor flow from the tank to a recovery system.

In Figure B, when negative pressure (vacuum condition) below set point exists in the tank, it allows gas vapor to flow into the tank. Negative pressure from the tank vapor space enters the control line in the regulator space S1, with atmosphere pressure in S2, will lift the valve assembly allowing vapor flow into the tank.







Features

- Operates within 1/10''W.C. from operating ranges of 1/10'' W.C. to 2'' W.C.
- Reduced number of moving parts maximizes service life
- No external power source required
- Can provide four types of service:
  (1) pressure increase
  (2) vacuum increase
  (3) pressure decrease
  (4) vacuum decrease

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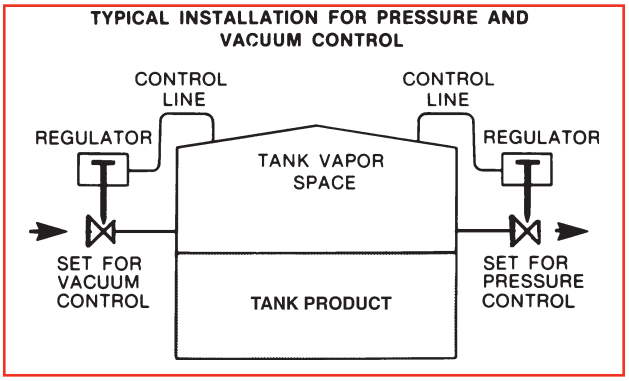
Installation

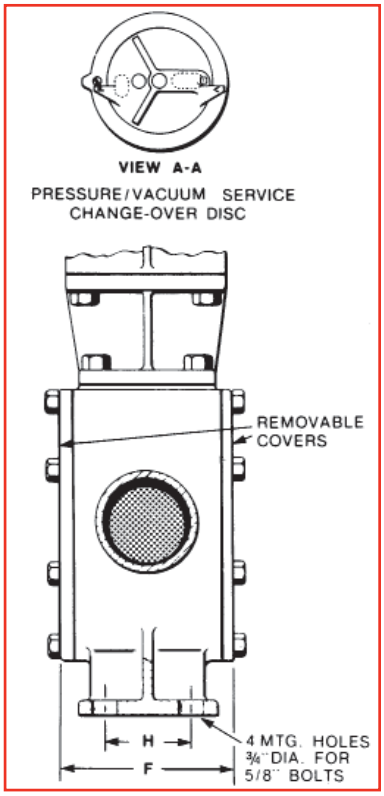


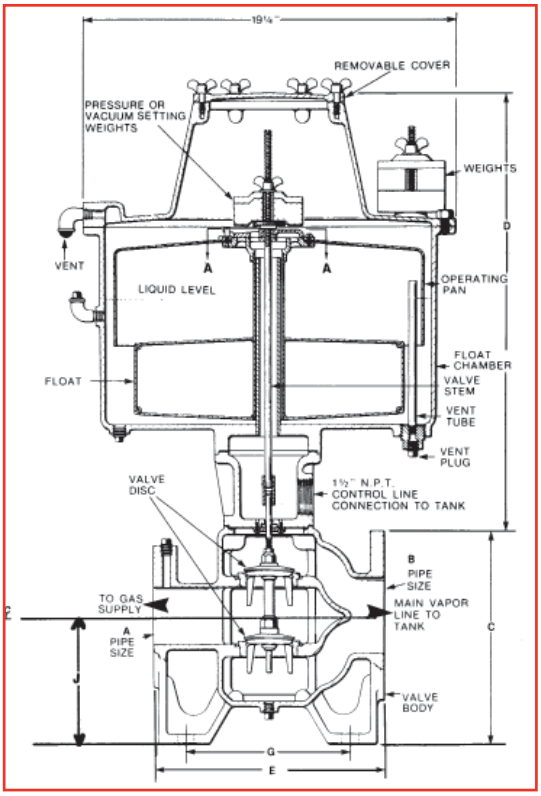
Materials of Construction

Cast Iron & Steel

Dimensions

Size	Table of Dimensions									Weight in lbs.
	"A"	"B"	"C"	"D"	"E"	"F"	"G"	"H"	"J"	
2"	2	3	10 ¾	23	11	5	8	2 ¼	6 ¾	177
3"	3	4	11 ½	23	12	6	8 ½	3	6 ¾	185
4"	4	6	12 ⅜	23	15	8	10	4	6 ¾	230
6"	6	8	17 ¾	23	18	10 ¼	13 ½	4 ½	10 ¼	309
8"	8	10	25 ⅛	42 ⅜	23 ⅞	13 15⁄16	16 ⅞	6	13 ⅝	490





All designs subject to change. Certified dimensions and specifications available upon request.

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