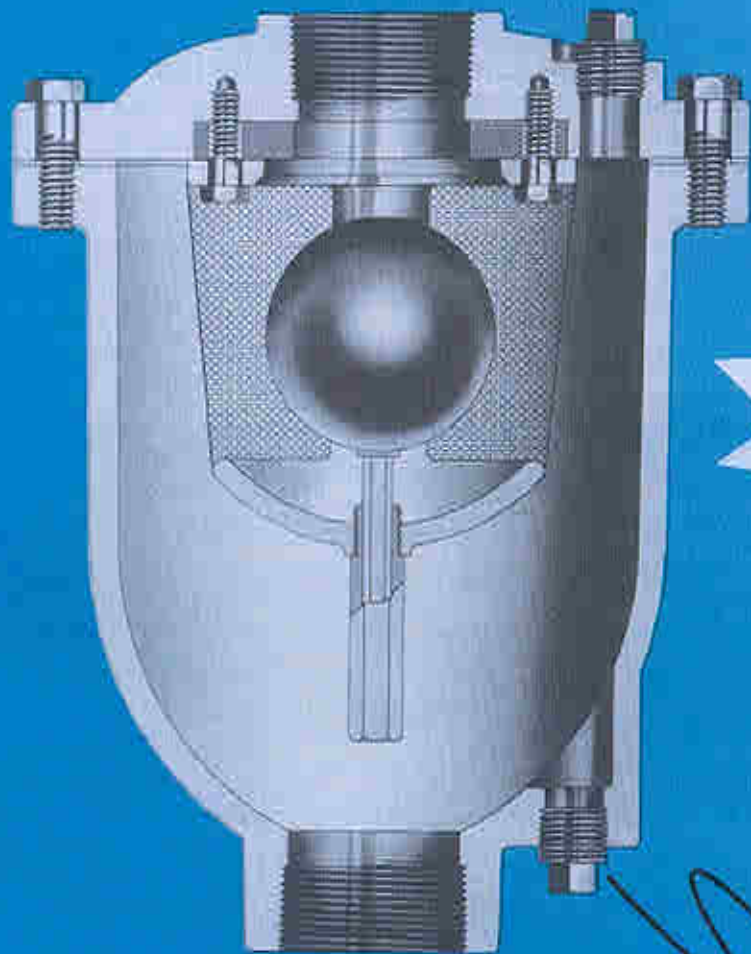


VAL-MATIC

"WELL SERVICE" AIR VALVES



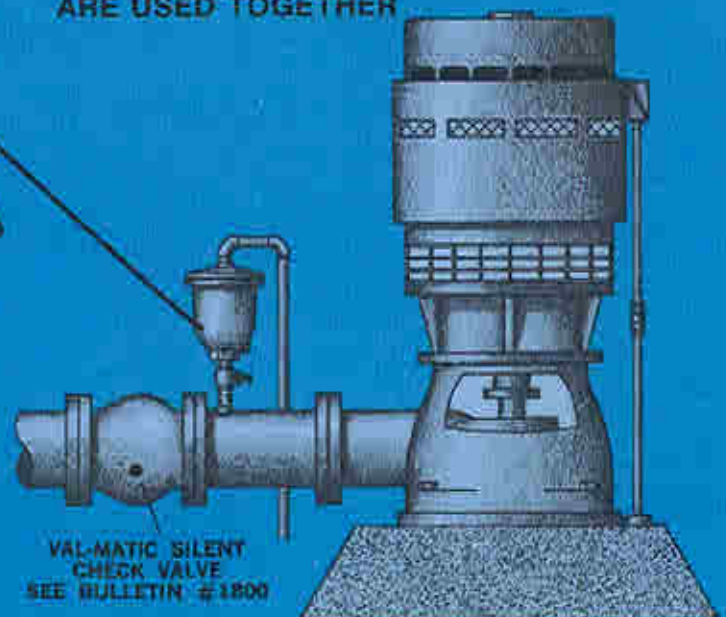
FOR HIGH CAPACITY
VENTING ON
VERTICAL TURBINE
PUMP INSTALLATIONS

Exclusive
**STAINLESS STEEL
TRIM-STANDARD**

- ALL S.S. TRIM ELIMINATES DESTRUCTIVE ELECTROLYTIC ACTION WHICH CAN OCCUR WHEN DISSIMILAR METALS SUCH AS S.S. & BRONZE ARE USED TOGETHER

Other Features

- FULL PORTED VALVES—NO RESTRICTIVE AREAS
- STAINLESS STEEL TRIM ASSURES LOW MAINTENANCE
- STAINLESS STEEL FLOATS UNCONDITIONALLY GUARANTEED
- SYNTHETIC SEATING ASSURES DROP TIGHT SEAL AT VERY LOW PRESSURES



WHY

YOU SHOULD USE

VAL-MATIC

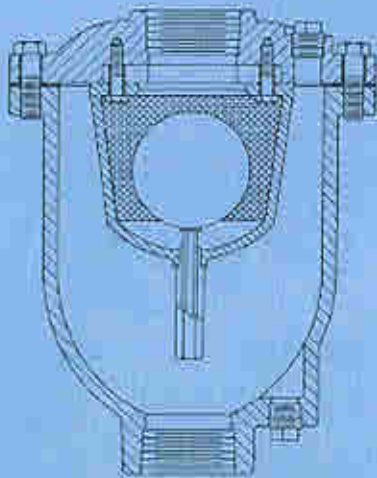
"WELL SERVICE" AIR VALVES

It is considered sound engineering practice to remove the air which is present in the well column before it can enter the system on pump start up. Should this air be allowed to enter the system, it can cause pressure surges and related water hammer along with its potentially damaging and troublesome effects.

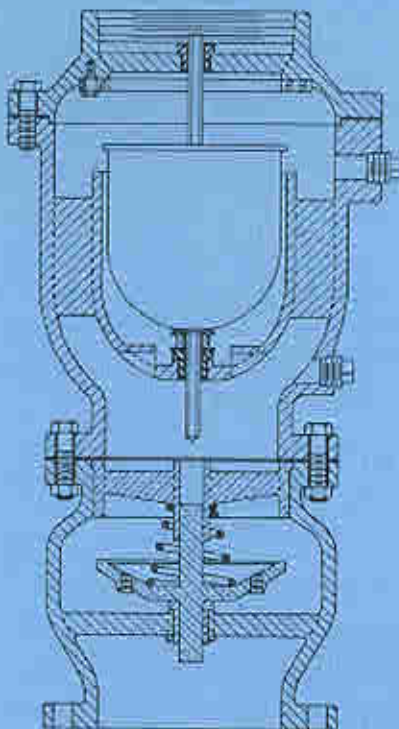
The Val-Matic WS well service valve is designed to effectively exhaust the air present in the well pump column when installed between the pump discharge and the pump check valve. This is accomplished by means of a large

venting orifice, capable of exhausting large quantities of air on pump start up. Also, on pump shut down, the WS valve will open to allow air to re-enter the well column and prevent a vacuum or water column separation from developing.

NOTE: These valves, by their nature, do not open while under pressure and therefore cannot exhaust the small quantities of air which may accumulate while the system is in operation. Air release valves are required for this function. (See Bulletin No. 15).



THREADED INLET
SIZES — ½" — 1" — 2" — 3"



FLANGED INLET

HOW TO SELECT PROPER VALVE SIZE FOR VERTICAL TURBINE PUMP INSTALLATIONS

1. Determine pump GPM capacity at a no head condition.
2. Read valve size and corresponding model no. under no head pump capacity in chart below.

NO HEAD PUMP CAPACITY IN G.P.M.	0 TO 200	200 TO 500	500 TO 1,200	1,200 TO 2,000	2,000 TO 5,000	5,000 TO 8,000
VALVE SIZE	½"	1"	2"	3"	4"	6"
MODEL NO.	100 WS	101 WS	102 WS	103 WS	104 WS	106 WS

Valve recommendations for use on greater pump capacities are available upon request.

DESIGN FEATURES

The threaded inlet valves are equipped with a stainless steel diffuser which is designed to break up the solid, forceful column of water entering the valve after the air has successfully been exhausted.

The flanged inlet valves are equipped with an anti-slam device which throttles the flow of water into the upper valve chamber after the air has been exhausted. This causes the unit to fill at a slower rate and thereby prevent a rapid closure of the valve.

It is recommended that for in plant installations the threaded discharge of the valve be piped to a drain to accommodate any small amount of water that may be discharged from the valve on closure.

MODEL NO.	HEIGHT	WIDTH	INLET SIZE	OUTLET SIZE	*MAX. W.P.	WT. LBS.
100 WS	7"	6½"	½" NPT	½" NPT	150 PSI 300 PSI	15
101 WS	9½"	7"	1" NPT	1" NPT	150 PSI 300 PSI	24
102 WS	12"	9½"	2" NPT	2" NPT	150 PSI 300 PSI	50
103 WS	12"	9½"	3" NPT	3" NPT	150 PSI 300 PSI	55
104 WS	24½"	12"	4" FLG.	4" NPT	150 PSI 300 PSI	158 177
106 WS	30"	14"	6" FLG.	6" NPT	150 PSI 300 PSI	246 299

Note: Valves also available in sizes 8" thru 16" and 18" thru 24" ANSI Class 125 or 250 Flanged Inlets.

Contact us for more information:

Valve & Equipment Consultants, Inc.

24116 Yoakum Street • Huffman, Texas 77336

Phone: 281-324-1500 • Fax: 281-324-4595

Email: sales@valveandequipment.com

Website: www.ValveAndEquipment.com