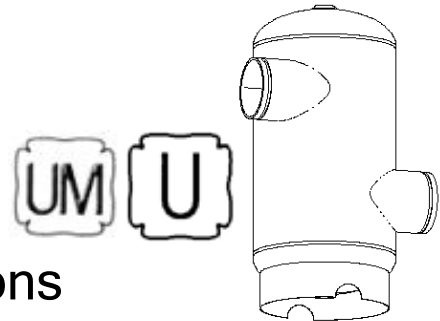




Job Name: _____		
Job No.: _____	JWC Representative: _____	
Tag No.: _____	Submitted By: _____	Date: _____
Engineer: _____	Approved By: _____	Date: _____
Contractor: _____	Order No.: _____	Date: _____

JVSR Series

ASME Tangential Air Separators Without Strainer / Full Flow Design Grooved End Inlet/Outlet Connections



APPLICATION

- JVSR Series air separators are designed with tangential openings to enhance the air separation efficiency. The vortex action allows the heavier air-free water to move to the vessel wall area while forcing the separated air into the center where it is vented out of the top of the separator.
- Water exits the vessel through the outlet nozzle connection near the bottom, free of air bubbles, protecting the system from the problems associated with trapped system air.

DESIGN PRESSURE AND TEMPERATURE

- Maximum design pressure:
JVSR-19-401 to 409: 150 PSI (1035 kPa)
JVSR-19-410 to 414: 125 PSI (862 kPa)
- 175, 200, 250, 300 PSI available upon request
- Maximum design temperature: 375° F (191° C)

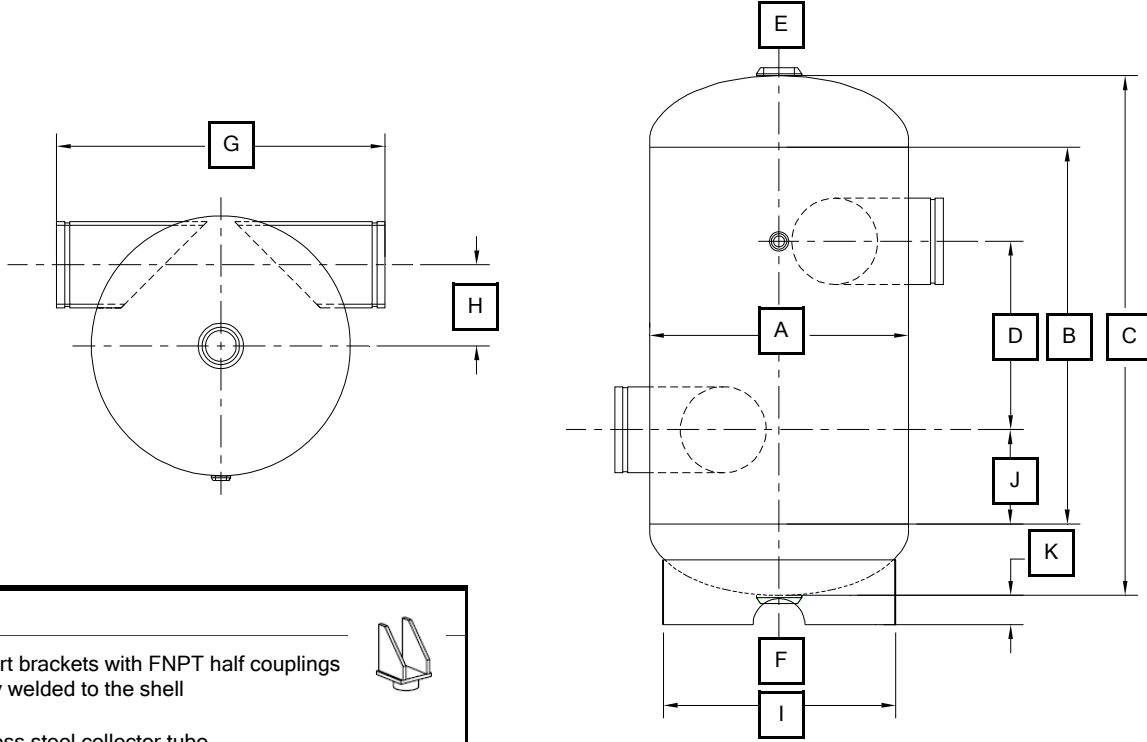
TYPICAL DESIGN SPECIFICATION

Furnish and install as shown on plans a John Wood Model No. JVSR-19-_____ ASME stamped tangential air separator without strainer. The unit shall have _____" grooved end pipe system connections. A blowdown connection shall be provided to facilitate preventative maintenance and cleaning of the separator. The unit must be designed and constructed in accordance with the ASME Boiler and Pressure Vessel Code Section VIII, Division 1 with a stamped MAWP of _____ PSI (_____ kPa).


SPECIFICATIONS

- Designed and built in accordance with the ASME BPV Code Section VIII, Division 1
- Installation: vertical
- Shell: Carbon Steel with exterior gray primer finish
- System connections: grooved end pipe
- These air separators can be supported in the piping system if the piping system hangers are located under the inlet and outlet nozzles as close as possible to the outside diameter of the shell of the unit.
- Optional factory welded support brackets on the shell are optionally available. They are required for the 6" and larger sizes for seismic design.
- Lifting lugs are not designed to support the vessel in the piping system.

JVSR Series (without Strainer)



OPTIONS

- Support brackets with FNPT half couplings factory welded to the shell 
- Stainless steel collector tube

MODEL NUMBER	CODE SYMBOL	MAWP	INLET/OUTLET SIZE	A DIA		B DIM	C OVERHEADS		D DIM	E DIM	F DIM	G DIM	H DIM	I DIM	J DIM	K DIM	TANK WEIGHT
				IN	MM		IN	MM									IN
JVSR-19-401	UM	150	2	12	305	13	19½	495	8	1¼	1	17¼	4¼	9½	2½	3	40
JVSR-19-402	UM	150	2½	12	305	13	19½	495	8	1¼	1	17¼	4½	9½	2½	2¾	41
JVSR-19-403	UM	150	3	12	305	13	19½	495	8	1¼	1	17¼	3¾	9½	2½	2¾	70
JVSR-19-404	UM	150	4	14	356	20¼	27½	699	10¼	1½	2	19¼	4¼	11½	4¾	3	100
JVSR-19-405	UM	150	5	14	356	20¼	27½	699	10¼	1½	2	19¼	3¾	11½	4¾	3	130
JVSR-19-406	U	150	6	20	508	29	40	1016	14½	2	2	25¾	6¼	18	7¼	2¼	215
JVSR-19-407	U	150	8	20	508	29	40	1016	14½	2	2	26¼	5¼	18	7¼	2¼	290
JVSR-19-408	U	150	10	30	762	39	55¼	1416	19	2	2	37½	9½	24	8¾	2¾	605
JVSR-19-409	U	150	12	30	762	42	58¾	1492	21	2	2	37½	8½	24	8¾	2¾	800
JVSR-19-410	U	125	14	36	914	58	78	1981	31½	2	2	46¾	10¼	30	13¼	2	1493
JVSR-19-411	U	125	16	42	1067	72	96	2438	36	2	2	50½	12½	30	18	3	1690
JVSR-19-412	U	125	18	48	1219	77	103¾	2635	41	2	2	55¼	13¾	42	18	2¾	3035
JVSR-19-413	U	125	20	54	1372	85½	115	2921	45	2	2	61	16	48	20¼	2¾	3200
JVSR-19-414	U	125	24	66	1676	92½	130	3302	47½	2	2	72	19	60	22½	3	5210

Dimensions are subject to change
Weights are approximate
*Stock model





JVSR Series (without Strainer)

PRESSURE DROP CHART FOR TANGENTIAL AIR SEPARATORS WITHOUT STRAINER

