



# AIR & DIRT SEPARATOR

## WITH REMOVABLE MEDIUM

MODELS: SEP-ADSR-2 TO SEP-ADSR-12

UNIT TAG NO.: _____	ORDER NO. _____
ENGINEER: _____	SUBMITTED BY _____ DATE _____
FLO FAB REPRESENTATIVE: _____	APPROVED BY _____ DATE _____

**DESCRIPTION**

FLO FAB SEP-ADSR SERIES AIR & DIRT SEPARATORS ARE DESIGNED TO ELIMINATE ENTRAINED AIR AND SEPARATE DEBRIS ASSOCIATED WITH START-UP AND MAINTENANCE OF ANY HYDRONIC SYSTEM. THE DESIGN INCORPORATES A SKIM VALVE, USED TO ELIMINATE FLOATING DEBRIS, A REMOVABLE END COVER FOR COALESCING MEDIUM ACCESS, AND AN AIR VENT TO AUTOMATICALLY RELEASE AIR FROM THE SEPARATOR. THE DESIGN AND CONSTRUCTION CONFORMS TO ASME SECTION VIII, DIV.1

**CONSTRUCTION**

SHELL: CARBON STEEL  
 COALESCING MEDIUM: STAINLESS STEEL  
 BLOW DOWN VALVE (OPTIONAL): BRONZE  
 SKIM VALVE (OPTIONAL): BRONZE  
 VENT (OPTIONAL): STAINLESS STEEL

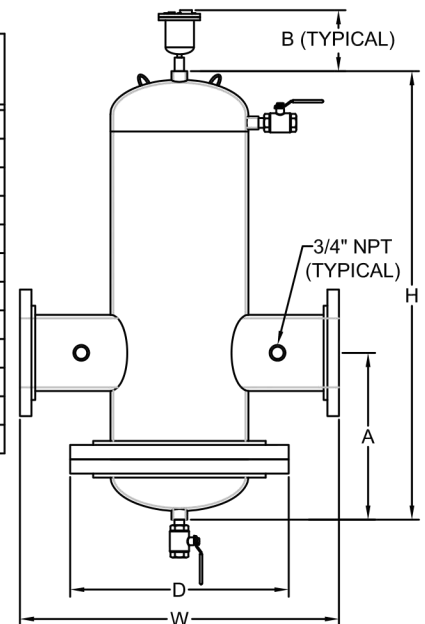
**PERFORMANCE LIMITATIONS**

MAXIMUM DESIGN TEMPERATURE: 250°F  
 MAXIMUM DESIGN PRESSURE: 150 PSIG

**DIMENSIONS AND WEIGHTS**

MODEL	CONN. SIZE	FLOW GPM	D (IN.)	H (IN.)	W (IN.)	A (IN.)	B (IN.)	WT LBS.
SEP-ADSR-2-F	2 FLG.	46	9	23	15-1/4	11-1/2	8-5/8	100
SEP-ADSR-2-NPT	2 NPT.	46	9	23	10-3/8	11-1/2	8-5/8	90
SEP-ADSR-2.5-F	2-1/2 FLG.	72	10	23	15-3/4	11-1/2	8-5/8	125
SEP-ADSR-2.5-NPT	2-1/2 NPT.	72	10	23	11	11-1/2	8-5/8	115
SEP-ADSR-3-F	3 FLG.	96	11	29	20-1/4	14-1/2	8-5/8	150
SEP-ADSR-3-NPT	3 NPT.	96	11	29	12-1/2	14-1/2	8-5/8	130
SEP-ADSR-4-F	4 FLG.	170	13-1/2	29	20-5/8	14-1/2	8-5/8	250
SEP-ADSR-5-F	5 FLG.	265	16	39	27-3/4	19-1/2	8-5/8	310
SEP-ADSR-6-F	6 FLG.	380	19	39	27-3/4	19-1/2	8-5/8	375
SEP-ADSR-8-F	8 FLG.	630	23-1/2	49	33-5/8	24-1/2	8-5/8	700
SEP-ADSR-10-F	10 FLG.	960	27-1/2	65	37-1/2	32-1/2	8-5/8	1000
SEP-ADSR-12-F	12 FLG.	1400	32	76	42-1/2	38	8-5/8	1500

**NOTE: LARGER SIZES ARE AVAILABLE UP TO 36 INCHES.**

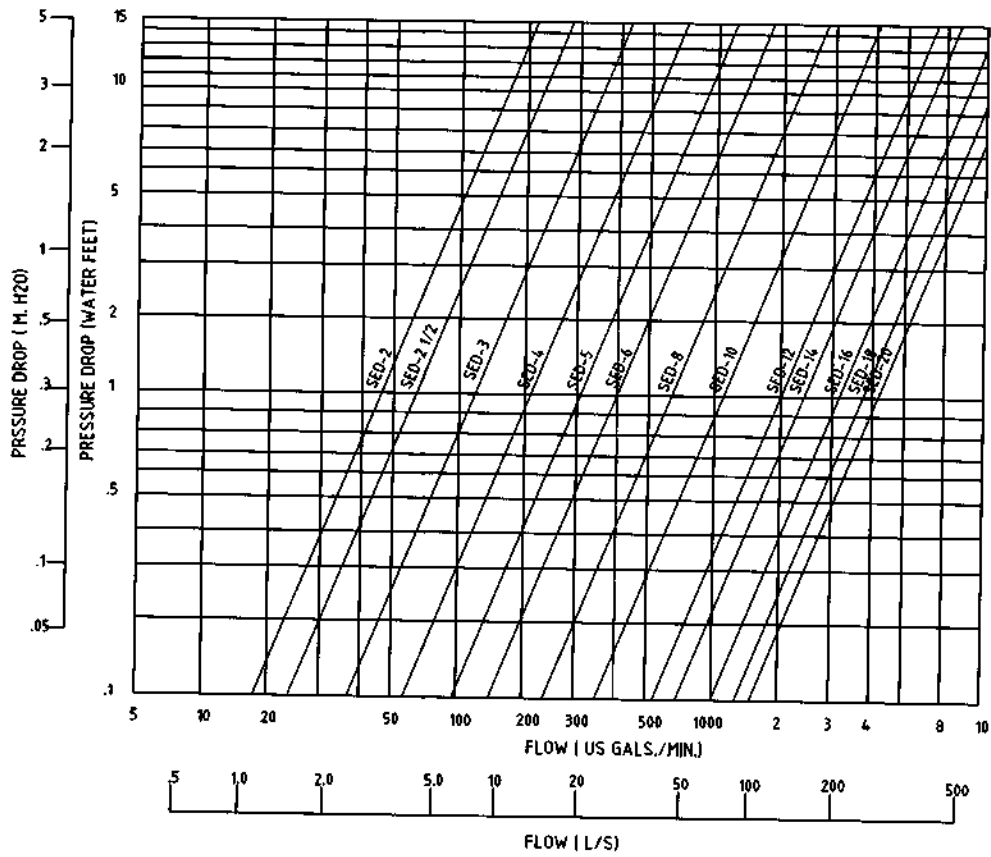


**SPECIFICATION**

FURNISH AND INSTALL ON THE PLANS AND DESCRIBED HEREIN, A FLO FAB VENT SEP-ADSR AIR & DIRT SEPARATOR AS MANUFACTURED BY FLO FAB COMPANY. EACH SEPARATOR MUST BE DESIGNED WITH A BLOWDOWN VALVE, SKIM VALVE, AND AUTOMATIC AIR VENT. THE SEPARATOR MUST ALSO UTILIZE IN ITS DESIGN A STAINLESS STEEL COALESCING MEDIUM TO AID IN THE SEPARATION OF AIR AND DIRT IN THE SYSTEM ENTRAINED WATER. THE SEPARATOR MUST BE CONSTRUCTED IN ACCORDANCE WITH THE LATEST REVISION OF THE ASME BOILER AND PRESSURE VESSEL CODE AND STAMPED 150 PSI WORKING PRESSURE.

EACH SEPARATOR SHALL BE FLO FAB MODEL SEP-ADSR-\_\_\_\_\_ OR APPROVED EQUAL.

# PERFORMANCE CURVE SEDIMENT SEPARATOR



FLO-FAB INC.