

AIR & DIRT SEPARATOR

WITH FIXED MEDIUM

MODELS: ADSF-2 TO ADSF-12

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

DESCRIPTION

FLO FAB ADSF 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, 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

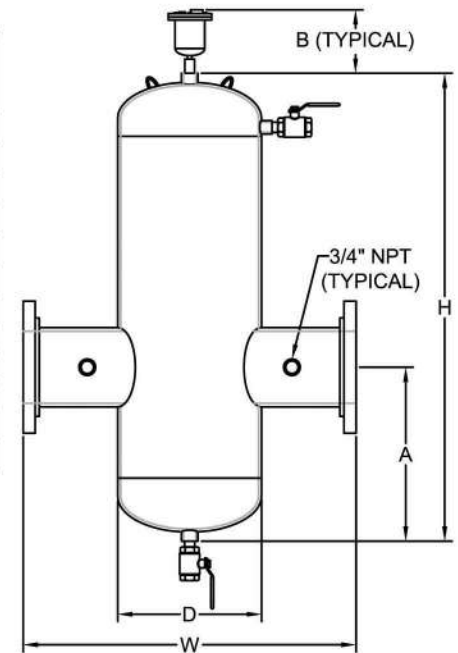
PERFORMANCE LIMITATIONS

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.
ADSF-2-F	2 FLG.	46	4-1/2	23	15-1/4	11-1/2	8-5/8	100
ASDF-2-FNPT	2 NPT.	46	4-1/2	23	10-3/8	11-1/2	8-5/8	90
ADSF-2.5-F	2-1/2 FLG.	72	4-1/2	23	15-3/4	11-1/2	8-5/8	125
ADSF-2.5-FNPT	2-1/2 NPT.	72	4-1/2	23	11	11-1/2	8-5/8	115
ADSF-3-F	3 FLG.	96	6-5/8	29	20-1/4	14-1/2	8-5/8	150
ADSF-3-FNPT	3 NPT.	96	6-5/8	29	12-1/2	14-1/2	8-5/8	130
ADSF-4-F	4 FLG.	170	8-5/8	29	20-5/8	14-1/2	8-5/8	250
ADSF-5-F	5 FLG.	265	8-5/8	39	27-3/4	19-1/2	8-5/8	310
ADSF-6-F	6 FLG.	380	12-3/4	39	27-3/4	19-1/2	8-5/8	375
ADSF-8-F	8 FLG.	630	16	49	33-5/8	24-1/2	8-5/8	700
ADSF-10-F	10 FLG.	960	20	65	37-1/2	32-1/2	8-5/8	1000
ADSF-12-F	12 FLG.	1400	24	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 ADSF 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 ADSF-_____ OR APPROVED EQUAL.