

Hyperdrain

condensate drain

HDF120-180



Installation Manual

INSTALLATION

The HDF, who's discharge capacity is as in Fig. 1, is installed as follows:

Note: Before connecting the drain, blow compressed air through the piping in order to thoroughly clean out any impurities within it.

- Install the drain at a level below the receiver (Fig. 3); if not the receiver will fill up with condensate (Fig. 4).
- To allow air equalization, install one of the following:
 - a) the connection nipple, if supplied (with balancing pipe), which must be connected between the drain and receiver without any extra pipe or filter (Fig. 5).
 - b) a 1/4" tube between the drain and the receiver (Fig. 6 - coupling for receiver available on request) or the receiver's air outlet tube.
- Discharge can be 'free orifice' or using a tube, also above the drain (Fig. 7).

MAINTENANCE

Weekly: open and close the drain valve as shown in Fig. 5 and let air blow through for a few minutes.

If a significant amount of water (more than 0.5 liters) exists the valve during this operation then the drain must be thoroughly cleaned as below.

Yearly: Dismantle the drain (Fig. 8) and clean all components, especially '4'.

N.B: Also perform this operation both **1 and 3 weeks** after installation.

Note: The drain's seal (10 - Fig. 8) can be simply inverted when one side becomes worn.

Pos. (Fig 8)	Code		Description	Installed Quantity
	HDF120 HDF120-A HDF120/NPT-A	HDF180 HDF180-A HDF180/NPT-A		
1	-		complete drain casing	1
2	324543-BSPT 324544-NPT	324559-BSPT 324560-NPT	connection nipple (HDF120-A, HDF120/ NPT-A, HDF180-A, HDF180/NPT-A only)	1
3	473377 Spares Kit		body gasket	1
4			float + lever	1
5			manual discharge valve + O-ring	1
6			external pressure equalizing plug	1
7			nuts + screws M6 x 35	4
8			O-ring OR 108	1
9			screws M5 x 12	2
10			seal	1

FIG. 1 DISCHARGE CAPACITY

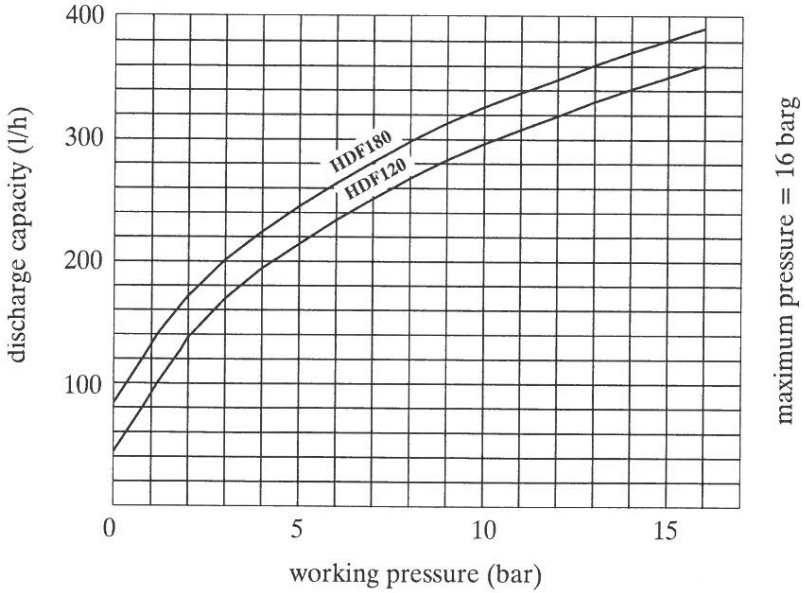


FIG. 2 OVERALL DIMENSIONS

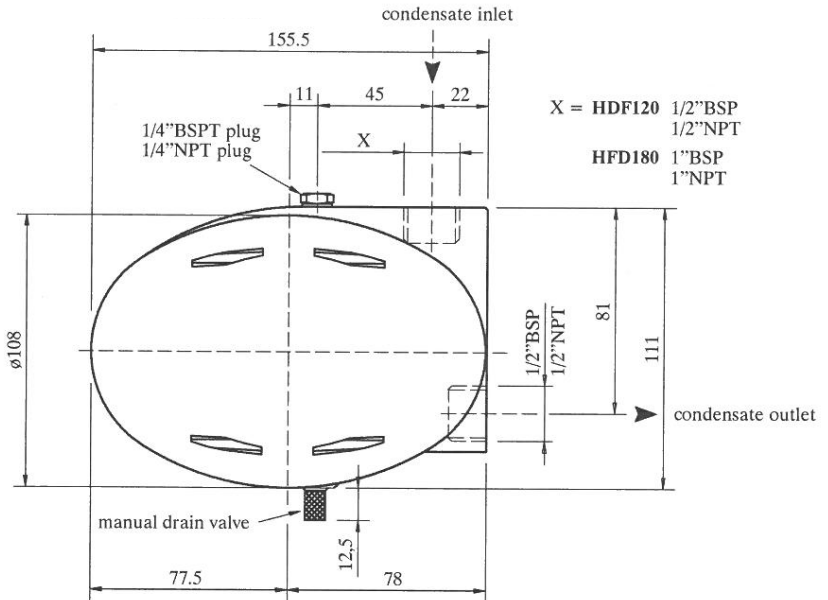


FIG. 3

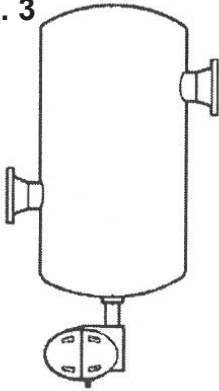


FIG. 4

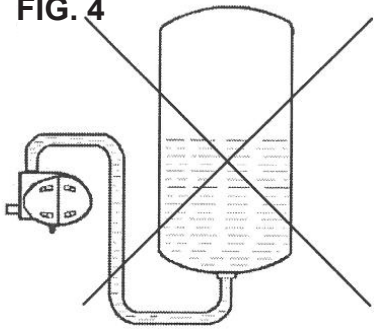


FIG. 5

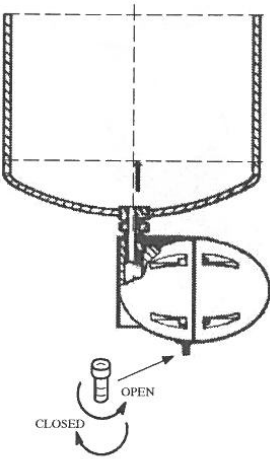


FIG. 6

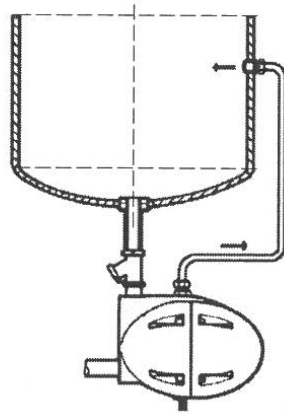


FIG. 7

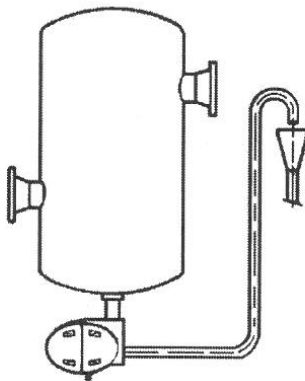
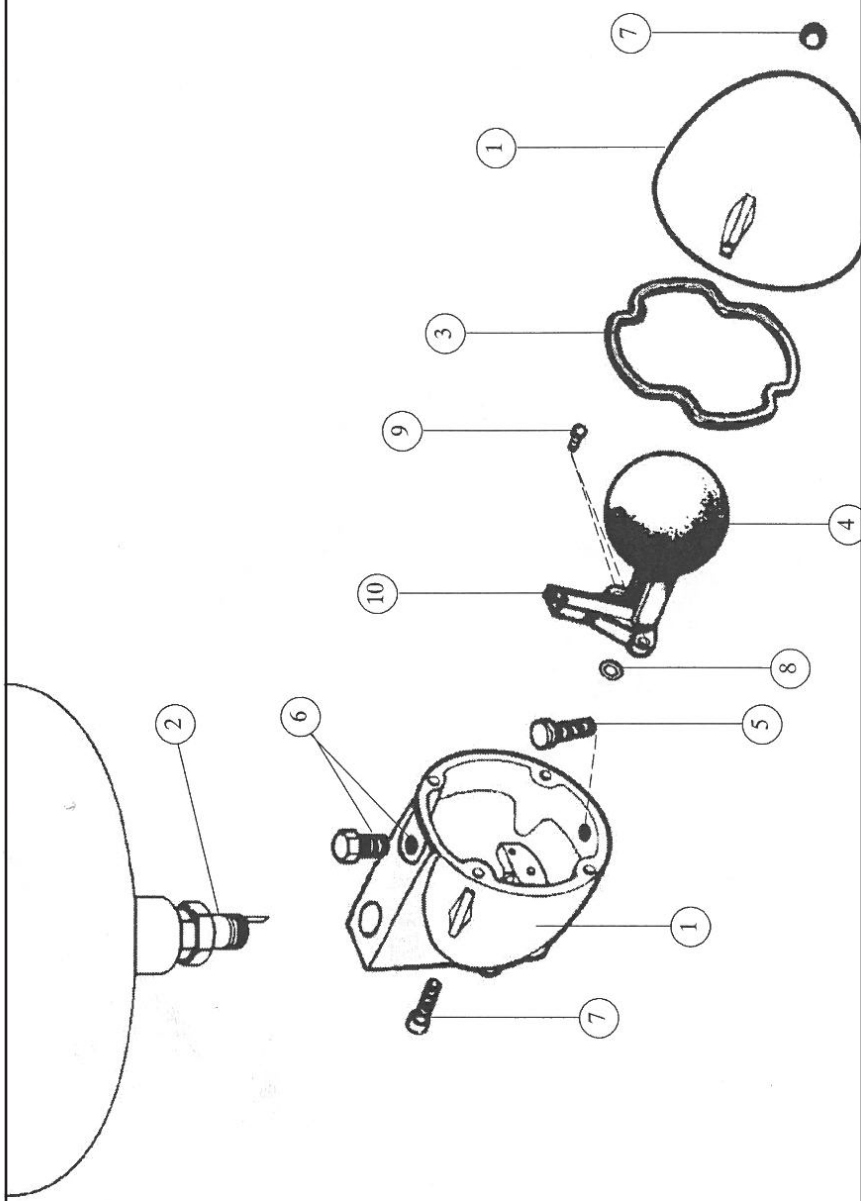


FIG. 8



MAINTENANCE & EXAMINATION RECORD

OWNERSHIP DATA

MODEL NO: COMMISSIONED BY:
(please print)

SERIAL NO: COMPANY NAME:

INSTALLATION DATE: TELEPHONE NO:

COMMISSIONING DATE: SERVICE PLAN:

INSPECTION/EXAMINATION		REPAIR/MAINTENANCE (IF ANY)	
Name	Signature	Date	Summary Remarks

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