

# Moisture Separator

## Description :

The Cast Iron Moisture Separator is designed to remove entrained water particles from steam so that they can be drained away as condensate.

## Available Sizes & Pipe Connections :

15, 20 & 25 NB  
Screwed BSPT/ NPT

**Note :** Available with IBR test certificates on request.

## Limiting Conditions :

### For Non-IBR

PMO-Max. Operating Pressure = 13 Kg/cm<sup>2</sup>  
TMO-Max. Operating Temperature = 220°C .  
Cold Hydraulic test pressure = 26 Kg/cm<sup>2</sup>

### For IBR

PMO-Max. Operating Pressure = 8.79 Kg/cm<sup>2</sup>  
TMO-Max. Operating Pressure = 220°C.  
Cold Hydraulic test pressure = 17.6 Kg/cm<sup>2</sup>

## Material :

No.	Part	Material	Specification
1	Body	Cast Iron	BS 1452 Gr.14
2	Baffle Plate	Cast Iron	BS1452 Gr.14
3	Cover	Cast Iron	BS 1452 Gr.14
4	Gasket	Compressed Asbestos Fibre	IS 2712
5	Hex. Hd Bolt	Carbon Steel	H.T. IS1367 Gr.8

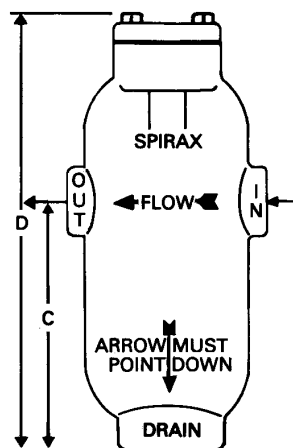
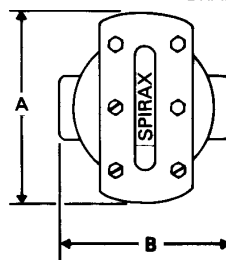
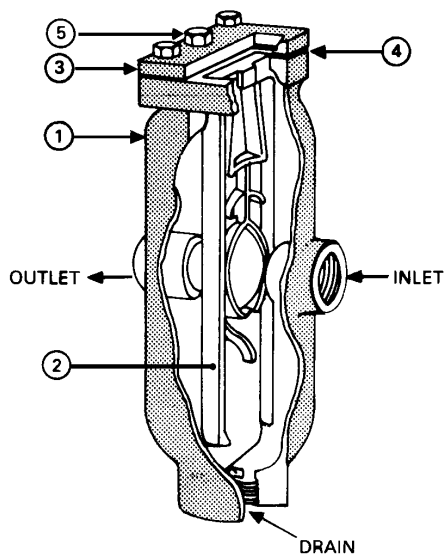
## Dimensions : (approx.) in mm.

Size	Dimensions			
	A	B	C	D
15NB	70	89	110	213
20NB	83	115	143	248
25NB	111	153	208	368

General Tolerance ± 3

## How to Specify :

Example : 20 NB BSPT, SPIRAX MARSHALL  
C.I. Moisture Separator, IBR.



**Available Sizes :**

40, 50, 80 & 100 NB

Available with IBR test certificates, on request.

**Flange Connections :**

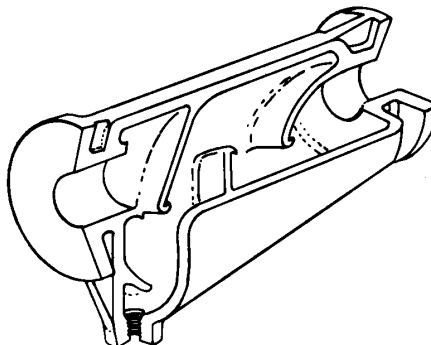
Flanges to following specifications for Non-IBR BS 10 Table F: Available in all sizes

ASA 125 : Available in 40, 50 & 80 NB only.

DIN - ND-6 : Available in all sizes

DIN - ND-10 : Available in 50 & 100 NB only.

Flanges holes to be drilled at site.



**Limiting Conditions :**

**For Non-IBR**

PMO : Max. Operating Pressure = 13 Kg/cm<sup>2</sup>

TMO : Max. Operating Temperature = 220°C.

Cold Hydraulic test pressure = 26 Kg/cm<sup>2</sup>.

**For IBR**

Max. Operating Pressure and Temperature as per Table 1.

**How to Specify :**

Example : 40 NB SPIRAX MARSHALL

C.I. Moisture Separator, Flanged BS 10

Table 'F' IBR.

**TABLE 1**

PRESSURE RATING IN Kg/cm<sup>2</sup> AT 220°C.  
FOR IBR C.I. MOISTURE SEPARATOR

Flange Type	Size			
	40 NB	50 NB	80 NB	100NB
BS 10 Table 'F'	10.55	10.55	10.55	10.55
ASA - 125	8.79	8.79	8.79	-
DIN - ND - 6	-	-	-	-

**TABLE 2**

Dimensions : (approx.) in mm.

Size	Dimensions				
	A	B	C	D	E
40 NB	368	89	111	70	20 NB
50 NB	457	121	146	83	25 NB
80 NB	483	152	175	102	25 NB
100 NB	692	197	238	114	25 NB

General Tolerance : ± 3

