



Pos.	Description
01	Lower Body
02	Upper Body
03	Valve Stem Guide
04	Guide Bolt
06	Spring
07	Check Valve
08	Liner
09	Bypass Branch
10	Vortex Housing
11	Control Head
12	Vortex Plug
13	Lever
14	Pivot Pin
15	Vortex Bushing
16	Piston
21	Vortex Plate
23	Flow Straightener
25	Guide Pin
26	Stud
27	Stud
28	Hex Nut
29	Hex Nut
30	O-Ring
31	O-Ring
32	O-Ring
33	O-Ring
33.1	Glyd-Ring
34	O-Ring
34.1	Glyd-Ring
35	O-Ring
35.1	Glyd-Ring
36	O-Ring

TOLERANCE  
UNLESS NOTED  
XXX ±1  
XX ±0.5  
X ±0.25  
X.X ±0.1  
Z ±1/2°  
√ 125RMS

NOTES:  
ALL RIGHTS RESERVED

HPM ASSEMBLY

**HBE**  
INTERNATIONAL Ltd.

DATE 03/08/04	SCALE	DWG. NO.
DWN.	CHK.	
JAP		SYMBOL NO.
MATERIAL		