HARSHAD

SAFETY VALVE MANUFACTURER

ISO 9001 CERTIFIED COMPANY

SAFETY VALVE

SERIES # 008

CE 1128

DESIGN FEATURES

- SAFETY VALVE MANUFACTURED IN ACCORDANCE WITH REQUIREMENT OF ASME SECTION VIII DIVISION 1, API 520, API 527, EN ISO 4126 PART 1, IS 12992
- DIRECT SPRING OPERATED, FULL LIFT, FULL NOZZLE, SINGLE TRIM & HIGH CAPACITY DESIGN
- ADJUSTABLE NOZZLE RING FOR PERFECT POPPING AND BLOW DOWN ADJUSTMENT
- SUPERIOR SEAT TIGHTNESS PRECISION LAPPED FLAT METAL TO METAL SEAT
- BEST USE IN PRESSURE LINES, RECIPROCATING COMPRESSORS SYSTEM, PRESSURE VESSEL, AIR RECEIVER TANK, STEAM BOILERS, BOILER HOT WATER SERVICE

TECHNICAL DATA : -

- SIZES : 1/2" X 1" TO 2" X 2" (ORIFICE "D" TO "M")
- END CONNECTION : THREAD END (BSP, BSPT, NPT)
- SET PRESSURE RANGE : 1BARG TO 18BARG
- TEMPERATURE RANGE : -59*C TO 300*C
- APPLICATION : AIR, GAS, STEAM, LIQUID, VAPOR

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HARSHAD ENGINEERING WORKS

WORK & OFFICE ADDRESS : -
S-121 TO S-124, VIVEKANAND INDUSTRIAL ESTAE, NEAR RAKHIAL CROSS ROAD, RAKHIAL, AHMEDABAD - 380 023. GUJARAT, INDIA.

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HARSHAD

SAFETY VALVE MANUFACTURER

THREAD END FLANGE END

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SAFETY VALVE MANUFACTURER

CAP & LEVER TYPE

TYPE A (THREADED CAP & NO LEVER)

TYPE B (THREADED CAP & PACKED LEVER)

TYPE C (BOLTED CAP & PLAIN LEVER)

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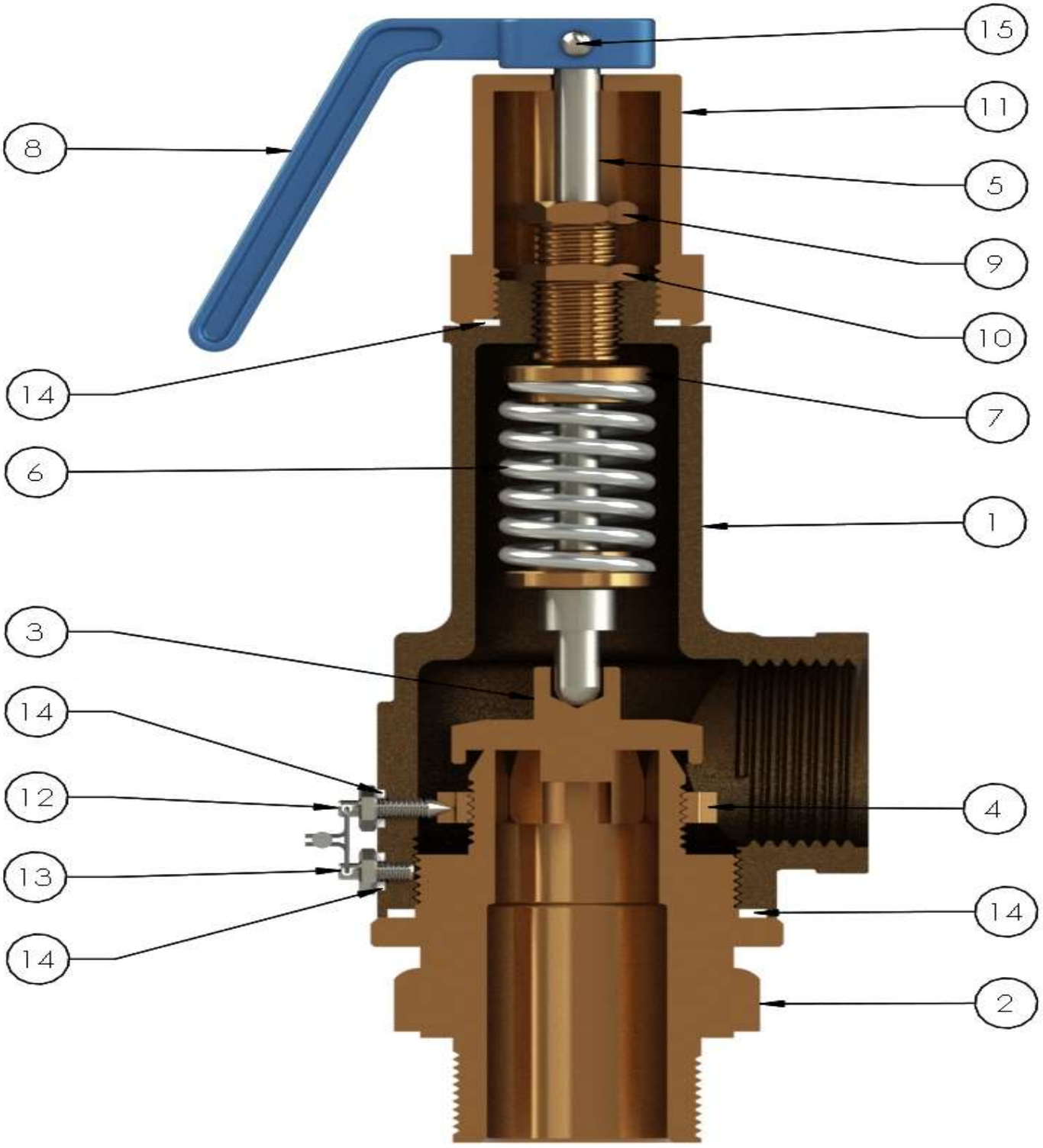
SAFETY VALVE MANUFACTURER

SERIES # 008
G.A.DRAWING



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SAFETY VALVE MANUFACTURER

SERIES # 008

MATERIAL OF CONSTRUCTION

PART LIST		MODEL # 008-18 C.S. / SS304 STANDARD CONSTRUCTION	MODEL # 008-12 C.S. / GUN METAL STANDARD CONSTRUCTION	MODEL # 008-36 STAINLESS STEEL MATERIAL CONSTRUCTION
SR.NO.	DESCRIPTION	TEMPERATURE -20*C TO 200*C	TEMPERATURE -20*C TO 200*C	TEMPERATURE -59*C TO 300*C
01	BODY	CAST STEEL (SA 216 GR.WCB)	CAST STEEL (SA 216 GR.WCB)	STAINLESS STEEL (SA 351 GR.CF8M)
02	NOZZLE	STAINLESS STEEL (SA 479 GR.304)	GUN METAL BRONZE (IS 318 LTB2)	SS316 (SA 479 TYPE 316)
03	DISC	STAINLESS STEEL (SA 351 GR.CF8)	GUN METAL BRONZE (IS 318 LTB2)	STAINLESS STEEL (SA 351 GR.CF8M)
04	NOZZLE RING	STAINLESS STEEL (SA 351 GR.CF8)	GUN METAL BRONZE (IS 318 LTB2)	STAINLESS STEEL (SA 351 GR.CF8)
05	SPINDLE	STAINLESS STEEL	STAINLESS STEEL	SS304 (SA 479 TYPE 304)
06	SPRING (ZINC COATED)	SPRING STEEL (IS 4454 GR.II PART.1)	SPRING STEEL (IS 4454 GR.II PART.1)	AISI SS302
07	SPRING WASHER	STAINLESS STEEL	BRASS (IS 319 GR.1)	SS304 (SA 479 TYPE 304)
08	LEVER / HANDLE	CAST STEEL (SA 216 GR.WCB)	CAST STEEL (SA 216 GR.WCB)	MILD STEEL (BLACK POWDER COATED)
09	SETTING SCREW	STAINLESS STEEL (SA 479 GR.304)	BRASS (IS 319 GR.1)	SS304 (SA 479 TYPE 304)
10	SCREW LOCK NUT	STAINLESS STEEL (SA 479 GR.304)	BRASS (IS 319 GR.1)	SS304 (SA 479 TYPE 304)
11	CAP	CAST STEEL (SA 216 GR.WCB)	CAST STEEL (SA 216 GR.WCB)	STAINLESS STEEL (SA 351 GR.CF8M)
12	NOZZLE LOCK SCREW	S.S.304	S.S.304	S.S.304
13	RING LOCK SCREW	S.S.304	S.S.304	S.S.304
14	GASKET	TEFLON	TEFLON	TEFLON

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SAFETY VALVE MANUFACTURER

SERIES # 008
TECHNICAL DETAIL

SIZES		ORIFICE (API520 & EN ISO 4126)		MAX SET PRESSURE (IN BARG)	A (MM) ± 5	B (MM) ± 5	C (MM) ± 10	D (MM) ± 2	APPROX WEIGHT (KG)
INLET	OUTLET	DESIGNATION & EFFECTIVE AREA (IN2)	ACTUAL AREA IN2 & INLET BRE (MM)						
1/2"	1"	"D" (0.110)	0.124 (10MM)	19	76	55	280	20	2.5
3/4"	1"	"F" (0.307)	0.31 (16MM)	19	76	55	280	20	3.0
1"	1"	"G" (0.503)	0.59 (22MM)	19	76	55	280	21	3.5
1"	1-1/2"	"G" (0.503)	0.59 (22MM)	19	95	65	290	21	4.2
1-1/4"	1-1/2"	"H" (0.785)	1.04 (29MM)	19	95	65	290	21	4.5
1-1/2"	1-1/2"	"H" (0.785)	1.04 (29MM)	19	95	65	290	21	4.5
2"	2"	"J" (1.287)	1.49 (35MM)	12	105	78	320	23	5.5

NOTE : -

1.) SERIES # 008 SAFETY VALVE IS AVAILABLE IN THREAD END CONNECTION ONLY. (BSP, BSPT & NPT OR AS PER CUSTOMER SPECIFICATION)

2.) HYDRO TEST IS CONDUCTED FOR NOZZLES AT 1.5 TIMES OF DESIGN PRESSURE OF SAFETY VALVE AS PER API 526, API 598, EN ISO 4126 PART 1 & IS 12992.

3.) PNEUMATIC NOZZLE TEST CONDUCT ON 7BARG (100PSIG) AS PER ASME PRESSURE VESSEL SECTION VIII DIVISION.1.

4.) SEAT LEAKAGE TEST IS CONDUCTED AS PER API 527 OR AS SPECIFIED.

5.) TECHNICAL DATA SHEET WILL BE PROVIDED ON REQUEST.

6.) WE OFFER THIRD PARTY INSPECTION IF REQUIRED.(TUV, LLYODS, BVQI, SGS, ETC.)

7.) SAFETY VALVE IS SUPPLIED WITH ONE SET OF TEST CERTIFICATE OF HYDRO TEST, SET PRESSURE TEST & SEAT LEAKAGE TEST.

8.) SAFETY VALVE COMES WITH WARRANTY OF 12MONTHS FROM THE DATE OF SUPPLY OR 18 MONTHS FROM THE DATE OF COMMISSIONING WHICH EVER IS EARLIER (CONDITION APPLY)

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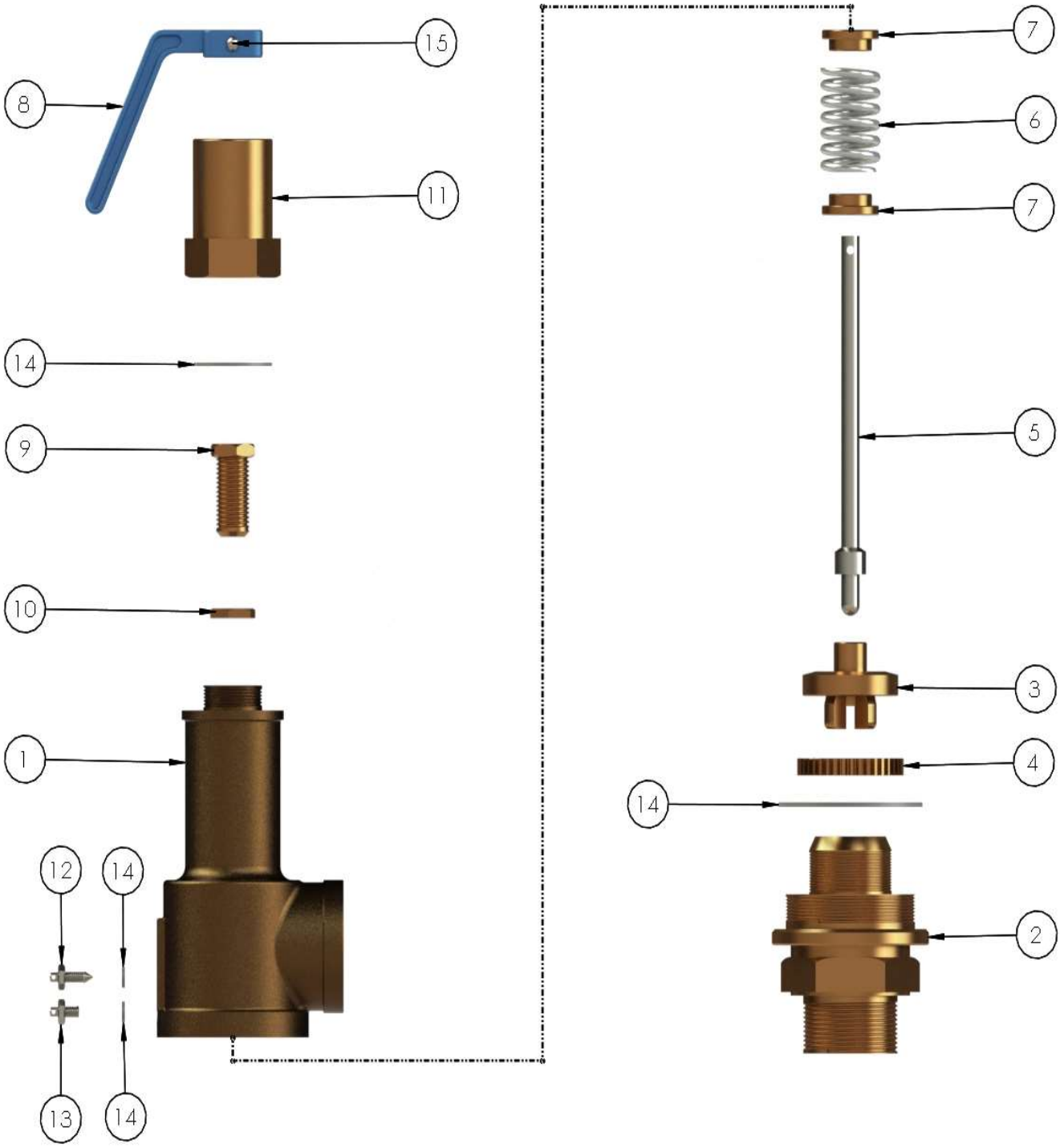

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SAFETY VALVE MANUFACTURER

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ORDERING INFORMATION - MODEL NUMBER

Position No.	1	2	3	4	5	6	7	8	9	10	11	12
Model #	008	1	8	1	A	1	M	3/4"	F	1"	A	1
Options	Series #	Body Material	Trim Material	End Connection	Application	Spring Material	Seat Type	Inlet Size	Orifice	Outlet Size	Cap & Lever Type	Accessories
*	*	*	*	*	*	*	*	*	*	*	*	*
I	008	1 = C.S. (SA 216 WCB)	2 = G.M. (IS 318 LTB2)	1 = Thread End	A = Air	1 = Spring Steel	M = Metal	1/2"	D	1"	A	1 = No Accessories
II	*	2 = G.M. (IS 318 LTB2)	8 = SS304	2 = Flange End	S = Steam	2 = Alloy Steel	*	3/4"	F	1"	B	2 = Test Gag
III	*	3 = SS (SA 351 CF8M)	6 = SS316	*	L = Liquid	3 = Inconel Spring X750	*	1"	G	1"	C	*
IV	*	*	*	*	*	4 = SS302	*	1"	G	1-1/2"	*	*
V	*	*	*	*	*	5 = SS316	*	1-1/4"	H	1-1/2"	*	*
VI	*	*	*	*	*	*	*	1-1/2"	H	1-1/2"	*	*
VII	*	*	*	*	*	*	*	2"	J	2"	*	*

MODEL NO. GENERATED FROM THE ABOVE TABLE

MODEL # 008-18-1A1-M-3/4"F1"-A-1

WHILE ENQUIRY PLEASE MENTION FOLLOWING DETAIL:

- SET PRESSURE (BARG, KG/CM2G, PSIG)
- TEMPERATURE (CELSIUS OR FAHRENHEIT)
- APPLICATION / MEDIUM TYPE (AIR, LIQUID OR STEAM)
- REQUIRED FLOW CAPACITY (KG/HR, LBS/HR, CFM, M3/MIN, ETC.)
- BACK PRESSURE

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SAFETY VALVE MANUFACTURER

SERIES # 008
AIR CAPACITY TABLE

Air Capacities in Standard Cubic Metres Per Minute (SCFM) @ 15*C & 10% Over Pressure (API 520)

SET PRESSURE (BARG)	ORIFICE AREA in Sq.In. (in2) & Discharge Capacity in SCFM						
	"D"	"E"	"G"	"H"	"J"	"K"	"M"
	0.15	0.23	0.59	1.02	1.49	2.69	4.22
1	81	125	319	551	805	1454	2281
2	113	173	443	765	1118	2018	3166
3	151	232	593	1025	1497	2703	4241
4	189	291	744	1287	1879	3393	5323
5	228	350	895	1548	2261	4082	6404
6	266	409	1047	1809	2643	4772	7486
7	305	469	1198	2071	3025	5461	8567
8	343	528	1349	2332	3407	6151	9649
9	381	587	1500	2594	3789	6840	10731
10	420	646	1651	2855	4171	7530	11812
11	458	705	1803	3117	4553	8219	*
12	497	764	1954	3378	4934	8939	*
13	535	823	2105	3639	5316	9631	*
14	574	883	2256	3901	5698	10322	*
15	612	942	2408	4162	6080	11015	*
16	651	1001	2559	4424	6462	*	*
17	689	1060	2710	4685	6844	*	*
18	727	1119	2861	4947	7226	*	*
19	766	1178	3012	5208	7608	*	*
20	804	1238	3164	5469	7990	*	*
21	843	1297	3315	5731	8371	*	*

NOTE : -

1.) CAPACITIES BELOW 2BARG SET PRESSURE ARE CALCULATED AT 0.2BAR OVER PRESSURE.

2.) TO DETERMINE CAPACITIES ON GASES OTHER THAN AIR OR VAPOURS, PLEASE CONSULT HARSHAD ENGINEERING WORKS (HEW).

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SERIES # 008
AIR CAPACITY TABLE

Air Capacities in KG/HR @ 15*C & 10% Over Pressure (EN ISO 4126)

SET PRESSURE (BARG)	ORIFICE AREA (MM2) & Discharge Capacity in KG/HR						
	"D"	"E"	"G"	"H"	"J"	"K"	"M"
	96.75	148.39	380.64	657.90	961.29	1735.48	2721.90
1	143	219	642	1099	1621	2927	4547
2	206	316	928	1588	2343	4230	6572
3	277	425	1245	2132	3145	5678	8822
4	248	533	1563	2676	3947	7126	11072
5	418	641	1881	3220	4749	8574	13322
6	489	750	2198	3764	5552	10023	15572
7	560	858	2516	4308	6354	11471	17822
8	630	966	2834	4851	7156	12919	20072
9	701	1075	3151	5395	7958	14367	22322
10	772	1183	3469	5939	8760	15815	24572
11	842	1292	3786	6483	9708	17263	*
12	913	1400	4104	7027	10365	18711	*
13	984	1508	4422	7571	11167	20160	*
14	1054	1617	4739	8114	11969	21608	*
15	1125	1725	5057	8658	12771	23056	*
16	1196	1833	5375	9202	13573	*	*
17	1266	1942	5692	9746	14375	*	*
18	1337	2050	6010	10290	15177	*	*
19	1407	2158	6327	10834	15980	*	*
20	1478	2267	6645	11377	16782	*	*
21	1549	2375	6263	11921	17584	*	*

NOTE : -

1.) CAPACITIES BELOW 2BARG SET PRESSURE ARE CALCULATED AT 0.2BAR OVER PRESSURE.

2.) TO DETERMINE CAPACITIES ON GASES OTHER THAN AIR OR VAPOURS, PLEASE CONSULT HARSHAD ENGINEERING WORKS (HEW).

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STEAM CAPACITY TABLE

Steam Capacities in LBS/HR @ 10% Over Pressure as per ASME Section I & VIII					
SET PRESSURE (BARG)	Orifice Area in (in2) & Discharge Capacities in LB/HR				
	"F"	"G"	"H"	"J"	"K"
	0.31	0.59	1.02	1.49	2.69
1	361	887	1534	2241	4046
2	501	1231	2079	3111	5616
3	672	1650	2854	4169	7526
4	842	2070	3580	5230	9441
5	1014	2491	4308	6293	11360
6	1185	2912	5035	7355	13278
7	1356	3333	5763	8418	15197
8	1527	3753	6490	9481	17115
9	1698	4173	7218	10543	19033
10	1870	4595	7945	11606	20952
11	2041	5015	8673	12669	22870
12	2212	5436	9399	13731	24788
13	2383	5857	10128	14794	26707
14	2554	6277	10855	15857	28626
15	2726	6698	11583	16919	30545
16	2897	7119	12310	17982	*
17	3068	7540	13038	19045	*
18	3239	7960	13765	20108	*
19	3410	8381	14493	21171	*
20	3581	8802	15220	22233	*
21	3753	9222	15948	23296	*

NOTE : -

1.) CAPACITIES BELOW 2BARG SET PRESSURE ARE CALCULATED AT 0.2BAR OVER PRESSURE.

2.) TO DETERMINE CAPACITIES ON GASES OTHER THAN AIR OR VAPOURS, PLEASE CONSULT HARSHAD ENGINEERING WORKS (HEW).

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INSTALLATION & PRESSURE ADJUSTMENT GUIDELINE

1.) INSTALLATION GUIDELINE :-

- SAFETY VALVES SHOULD BE ALWAYS MOUNTED VERTICALLY ON THE PRESSURE VESSEL, BOILERS OR PIPELINE .
- ALL THE PACKING MATERIALS SHOULD BE REMOVED FROM THE VALVE CONNECTION PRIOR TO INSTALLATION.
- NEVER LIFT VALVE FROM ITS HANDLE OR LEVER, IT DAMAGES THE SPINDLE ALIGNMENT WHICH RESULTS IN MALFUNCTION OR NOT WORK AT ALL.
- IF SAFETY VALVE ONCE REACHED THE SITE AND ITS NOT GOING TO USE RIGHT AWAY THEN IT HAS TO STORE IN DRY, & FREE OF DIRT AND SHOULD MAINTAIN THE STORAGE TEMPERATURE -20*C TO 50*C. AND PROTECTIVE SHOULD NOT BE REMOVED WHEN IT IS NOT IN USE.
- WHILE INSTALLING SAFETY VALVE USE METAL OR PLASTIC SEAL WASHER ONLY. TEMPORARY SEAL MATERIAL SUCH AS PTFE / TEFLON TAPE OR LIQUID SEAL MATERIAL SHOULD NOT BE USED AS THIS TYPE OF MATERIAL BREAK OFF AND ENTER THE SAFETY VALVE AND DAMAGES THE SEAT OF VALVE WHICH RESULTS IN CONTINUOS LEAKAGE.

2.) INSTALLATION ON PRESSURE VESSELS:-

- WHEN FITTING A SAFETY VALVE ONTO PRESSURE VESSELS, THE INLET CONNECTION PIPE SHOULD BE AS SHORT AS POSSIBLE AND THE BORE SHOULD BE AT LEAST EQUIVALENT TO THE NOMINAL BORE SIZE OF THE VALVE. SO THAT THE PRESSURE DROP BETWEEN THE VESSEL AND THE VALVE SHOULD BE NO MORE THAN 3% RATED CAPACITY.
- IT IS ESSENTIAL THAT NEW INSTALLATIONS ARE FULLY FLUSHED AND ALL DEBRIS AND FOREIGN PARTICLES REMOVED PRIOR TO INSTALLING THE VALVE AS SERIOUS DAMAGE CAN BE CAUSED TO THE VALVE SEATS RESULTING IN SUBSEQUENT LEAKAGE AND MALFUNCTION.
- THERE SHALL BE NO INTERVENING STOP VALVES BETWEEN THE VESSEL AND SAFETY VALVES.

3.) INSTALLATION ON PIPELINES:-

WHEN FITTING A SAFETY VALVE INTO A PIPELINE, THE INLET CONNECTING PIPE LEADING FROM THE MAIN PIPELINE TO THE SAFETY VALVE SHOULD BE AS SHORT AS POSSIBLE, SO THAT THE INLET PRESSURE DROP IS NO MORE THAN3% OF RATED CAPACITY.

4.) PRESSURE ADJUSTMENT GUIDELINE :-

EVERY VALVE IS FITTED WITH A SUITABLE SPRING AND TESTED BEFORE LEAVING THE FACTORY. SAFETY VALVES CAN BE PRESET ON REQUEST BUT TO ALTER THE SET PRESSURE, THE ADJUSTING SCREW, WHEN VIEWED FROM THE TOP, SHOULD BE SCREWED DOWNWARDS IN A CLOCKWISE DIRECTION TO INCREASE THE SET PRESSURE AND UPWARDS IN AN ANTI-CLOCK WISE DIRECTION TO DECREASE IT. SET PRESSURE ADJUSTMENT MUST BE CARRIED OUT BE EXPERIENCED AND APPROVED PERSONNEL. ANY CHANGE IN SET PRESSURE MUST BE WITHIN THE RANGE OF EXISTING SPRING, IF IT EXCEEDS THE RANGE , A NEW SPRING WILL BE REQUIRED.

5.) BLOW-DOWN ADJUSTMENT :-

THE BLOW DOWN RING (PART NO.4) IS SET BEFORE THE VALVES LEAVES THE FACTORY AND NORMALLY NO FURTHER ADJUSTMENT WILL BE NECESSARY. HOWEVER, IF THE RESEATING PRESSURE HAS TO BE ALTERED IN SERVICE, THE BLOW DOWN RING SHOULD BE SCREWED DOWNWARDS CLOCKWISE TO RAISE RE-SEAT, POPPING & SIMMER PRESSURES. IF THE BLOW DOWN RING IS SCREWED UPWARDS ANTI-CLOCKWISE THE RE-SEAT, POPPING & SIMMER PRESSURES WILL LOWER. AFTER ALTERATION RE-INSERT THE LOCK SCREW (PART NO.13) AND IT SHOULD ALWAYS BE PLACED TO ENGAGE A SLOT IN THE BLOW DOWN RING. THE STANDARD BLOW DOWN IS 10% (API, ASME) & 15% (EN ISO 4126).

6.) SERVICE, MAINTENANCE & CALIBRATION:-

- A SET PRESSURE FUNCTION TEST SHOULD BE CARRIED OUT AT LEAST ONCE A YEAR. THE DETAILED TEST PROCEDURE IS DETERMINED BY THE USER.
- SAFETY VALVE REQUIRES REGULAR MAINTENANCE AND CALIBRATION ONCE A YEAR.

7.) DISMANTLING THE VALVE :-

THE FOLLOWING POINTS MUST BE OBSERVED BEFORE DISMANTLING SAFETY VALVES :-

- THERE WOULD BE NO PRESSURE IN SYSTEM OR VESSEL BEFORE REMOVING SAFETY VALVE.
- MEDIUM OR APPLICATION MUST BE COOL & COMPLETELY DRAIN FROM VESSEL OR PIPELINE.
- ASSEMBLY WORK MUST BE CARRIED BY QUALIFIED PERSONNEL.

8.) REPAIRS :-

REPAIRS ON SAFETY VALVES CAN ONLY BE CARRIED BY AUTHORIZED PERSONNEL OR BY HARSHAD ENGINEERING WORKS.

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COLD DIFFERENTIAL TEST PRESSURE

WHEN SETTING A VALVE INTENDED FOR USE AT HIGH TEMPERATURE ON A TEST RIG USING A TEST FLUID AT AMBIENT TEMPERATURES, IT IS NECESSARY TO SET THE VALVE AT SLIGHTLY HIGHER PRESSURE, SO THAT IT WILL OPEN AT THE CORRECT SET PRESSURE UNDER OPERATING CONDITIONS. THE NECESSARIES ALLOWANCE IS SHOWN IN THE FOLLOWING TABLE.

OPERATING TEMPERATURE (CENTIGRADE)	OPERATING TEMPERATURE (FAHRENHEIT)	% INCREASE IN SET PRESSURE AT (AMBIENT TEMPERATURE)
UPTO 121 *C	UPTO 250 *F	0 %
122 *C TO 316 *C	251 *F TO 600 *F	1 %
317 *C TO 427 *C	601 *F TO 800 *F	2 %
428 *C TO 538 *C	801 *F TO 1000 *F	3 %

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SAFETY VALVE MANUFACTURER

SERIES # 008
WARRANTY POLICY

HARSHAD ENGINEERING WORKS (HEW) HEREBY WARRANTS THAT THE GOODS DELIVERED UNDER CONTRACT WILL BE FREE FROM DEFECT IN MATERIAL AND WORKMANSHIP FOR A PERIOD OF 18MONTHS FROM SHIPMENT OR 12 MONTHS FROM INSTALLATION WHICHEVER IS EARLIER. WITHIN THIS PERIOD, ANY OF OUR PRODUCTS CLAIMED DEFECTIVE MAY BE RETURNED TO OUR FACTORY IN AHMEDABAD,INDIA AFTER WRITTEN NOTIFICATION TO AND AUTHORIZATION BY US, AND IF FOUND TO BE DEFECTIVE AFTER EXAMINATION BY US, THE PRODUCT WILL BE REPAIRED OR REPLACED FREE OF CHARGE. SUCH DEFECTS SHALL BE EXCLUSIVE OF THE EFFECTS OF CORROSION, EROSION, NORMAL WEAR OR IMPROPER HANDLING OR STORAGE. AFTER EXAMINATION IF IT IS MANUFACTURING DEFECT FREIGHT CHARGES INWARD AND OUTWARD WILL BE BORNE BY US.

HEW MAKES NO REPRESENTATION, WARRANTY OR GUARANTEE, EXPRESS OR IMPLIED, WITH REGARD TO OUR PRODUCTS EXCEPT AS SPECIFICALLY STATED. WHEN IN DOUBT AS TO THE PROPER APPLICATION OF AN PARTICULAR PRODUCT, YOU ARE INVITED TO CONTACT HEW OFFICE AT ANY TIME. WE CANNOT OTHERWISE BE RESPONSIBLE FOR THE SELECTION OF UNSUITABLE EQUIPMENT. SUITABILITY OF THE MATERIAL AND PRODUCT FOR THE USE CONTEMPLATED BY THE BUYER SHALL BE THE SOLE RESPONSIBILITY OF THE BUYER.

EXCEPT AS SPECIFICALLY SET FORTH ABOVE AND FOR WARRANTY OF TITLE, HEW MAKES NO WARRANTY, EXPRESS OR IMPLIED, OF ANY KIND INCLUDING WITHOUT LIMITATION, WARRANTIES OF MERCHANTABILITY OR FITNESS FOR A PARTICULAR PURPOSE.

IF SEAL IS FOUND IN BROKEN CONDITIONS DURING EXAMINATION HEW WILL CONSIDERED THAT THE PRODUCT IS BEEN TEMPERED AND IT WON'T TAKE ANY RESPONSIBILITY OF MANUFACTURING OR WORKMANSHIP OR PERFORMANCE OF THE SAFETY VALVE. MANUFACTURING WARRANTY WILL EXPIRE RIGHT AWAY.

IN NO EVENT WILL HEW BE LIABLE FOR INCIDENTAL OR CONSEQUENTIAL DAMAGES

SAFETY VALVE IS SAFETY RELATED COMPONENT INTENDED FOR USE IN CRITICAL APPLICATIONS. THE IMPROPER APPLICATION, INSTALLATION OR MAINTENANCE OF THE PRODUCT OR USE OF PARTS OR COMPONENTS NOT MANUFACTURED BY HEW MAY RESULT IN A FAILURE OF THE PRODUCT. THE ADVICE OF QUALIFIED ENGINEER SHOULD BE SOUGHT PRIOR TO ANY USE OF PRODUCT.

ANY INSTALLATION, MAINTENANCE, PRESSURE ADJUSTMENT, REPAIR OR TEST PERFORMED ON THE PRODUCT MUST BE DONE IN ACCORDANCE WITH THE REQUIREMENTS PF ALL APPLICABLE CODES AND STANDARDS.

THE INFORMATION, SPECIFICATIONS AND TECHNICAL DATA CONTAINED IN THIS DOCUMENT ARE SUBJECT TO CHANGE WITHOUT NOTICE. HEW DOES NOT WARRANT THAT THE SPECIFICATIONS ARE CURRENT AND ASSUMES NO RESPONSIBILITY FOR THE USE OR MISUSE THEREOF. THE PURCHASER SHOULD VERIFY THAT THERE HAVE BEEN NO CHANGES TO THE SPECIFICATIONS PRIOR TO USE.

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