



VALVE MODEL NO.	ORIFICE AREA (SQ IN)	FLOW PRESSURE (PSIA)	FLOW RATE @ 10% > R.D. (CFM AIR)	THROUGH PUT EFFICIENCY (-)
A-14227-ML-A	1.35	262.2	4629	67
A-14377-ML-A	1.35	427.2	7299	67
A-14502-ML-A	1.35	564.2	8616	61

VALVE MODEL NO.	RUPTURE DISK SETTING (PSIG)	VALVE PRESSURE SETTING (PSIG)	VAPOR TIGHT PRESSURE (MINIMUM) (PSIG)	OUTER SPRING	INNER SPRING	NAME PLATE	RUPTURE DISC	AAR NUMBER
A-14227-ML-A	202 - 225	210	200	15-150-MO	14-13-SS	14-227-ML	14-23-TA-225	
A-14377-ML-A	319 - 375	351	336	15-375-SS	14-13-SS	14-377-ML	14-23-TA-375	SRD 989064
A-14502-ML-A	450 - 500	470	445	15-450-SS	14-13-SS	14-502-ML	14-23-TA-500	

NOTES:

1. FOR STAINLESS STEEL FLUE, ADD SUFFIX -S TO MODEL NUMBER.
- 15-111-SS ADJUSTMENT SCREW IS USED ON A-14377-ML AND A-14502-ML.
- A-1402 SERIES VALVES CAN BE REBUILT TO A-1402-A SERIES VALVES.

ITEM	QTY	PART NAME	HASTELLOY C TRIM	
			MATERIAL	PART NUMBER
1	1	TOP GUIDE	STAINLESS STEEL	14-101-SS
2	1	STEM	HAST. C/MONEL	14-2-XC
3	1	PLUG	HASTELLOY C	14-3-HC
4	1	BODY	HASTELLOY C	14-480-HC
5	1	OUTER SPRING	STAINLESS STEEL	SEE TABLE
6	1	FOLLOWER	STAINLESS STEEL	14-6-SS
7	1	GUIDE	STAINLESS STEEL	14-7-SS
8	1	TOP NUT	STAINLESS STEEL	15-8-SS
9	1	TOP GASKET	VITON	15-9-VA
10	1	SHAFT SEAL	PTFE	17-10-TF
11	1	ADJUSTING SCREW	STAINLESS STEEL	15-11-SS (2)
12	1	SEAL RETAINER	MONEL	14-12-ML
13	1	INNER SPRING	STAINLESS STEEL	SEE TABLE
14	1	CAP	STAINLESS STEEL	14-14-SS
15	1	SEAL SCREW	STEEL, PLATED	15-15-CS
16	4	STUD	MONEL	14-16-ML
17	4	NUT	MONEL	14-17-ML
18	1	WIRE SEAL	SS WIRE, LEAD SEAL	15-18-PB
19	1	RETAINER	HASTELLOY C	14-19-HC
20	1	SEAT "O" RING	VITON	10-10-VL
21	1	PLUG "O" RING	VITON	10-11-VL
22	1	FLUE "O RING"	VITON	14-22-VA
23	1	RUPTURE DISC	TANTALUM	SEE TABLE
24	1	FLUE	PLASTIC (1)	14-24-PC
25	4	RUPTURE DISC FLG BOLTS	STAINLESS	15-16-SS
26	1	RUPTURE DISC FLANGE	MONEL	14-372-ML
27	1	1/8" VALVE	MONEL	A-251
28	1	NAMEPLATE	MONEL	SEE TABLE
29	1	UPPER FILLER	VITON	14-29-VA
30	1	LOWER FILLER	VITON	14-30-VA
31	1	PROTECTIVE CAP/CHAIN	POLYETHYLENE/SS	14-31-PE
32	1	FLANGE O-RING INNER	VITON	14-321-VA
33	1	FLANGE O-RING OUTER	VITON	14-331-VA

FOR CHLORINE SERVICE

MIDLAND MANUFACTURING CORP.
SKOKIE, IL, U.S.A.

TOP STYLE SAFETY VALVE,
O-RING SEAL WITH RUPTURE DISC

MATERIAL: SEE TABLE

TOLERANCES UNLESS SPECIFIED:
2 PLACE DECIMAL ± .015
3 PLACE DECIMAL ± .005
ANGULAR ± 1' FRACTIONS ± 1/64
CHAMFERS AND WELD PREP ± 5'

REMOVE ALL BURRS.
BREAK ALL EDGES & CORNERS.
FINISH (Ra) : √ = 125

SCALE: 3/4 DRAWN: FS DATE: 11/14/06 APPROVED: RHD

CAD FILE NO. 8158 SIZE B DWG NO. A-1402-A SERIES REV

LTR	REVISIONS	DRN	DATE	APP

7733 Gross Point Road
Skokie, IL 60077
www.midlandmfg.net



Phone: (847) 677-0333
Fax: (847) 677-0138