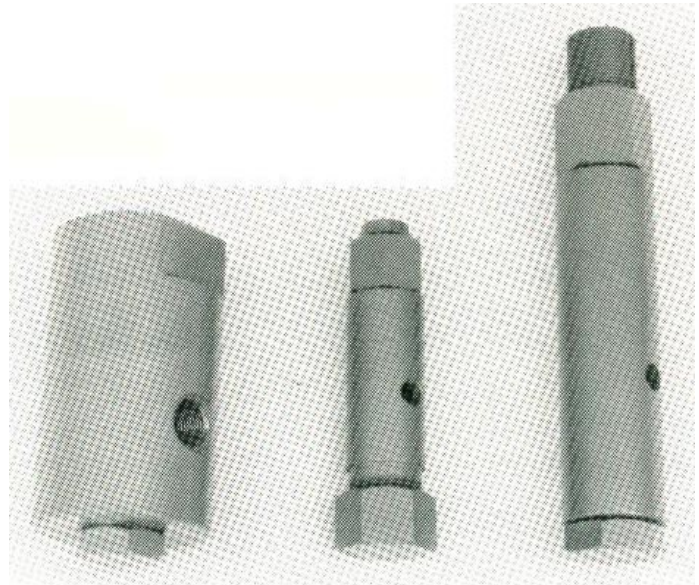


BULLETIN NO. V-96-06

# RUPTURE TUBE AND RUPTURE DISK SAFETY ASSEMBLIES

for pressures to  
**220,000 psi**



Rupture tube and rupture disk safety assemblies are used to release excessive pressure in case of an emergency, when the system's relief or release pressure valves have failed. It is usually the last "line of defense" in any high pressure system. The burst pressure should be about 10-15% higher than the maximum pressure of the system. The tolerance of the burst pressure is  $\pm 5\%$ .

## Features

- Service for liquids and gases
- Time proven designs – in use for 25 years

## Options

- Stainless steel assemblies for water and hydrogen service
- Custom design valves for special service

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## HARWOOD ENGINEERING CO., INC.

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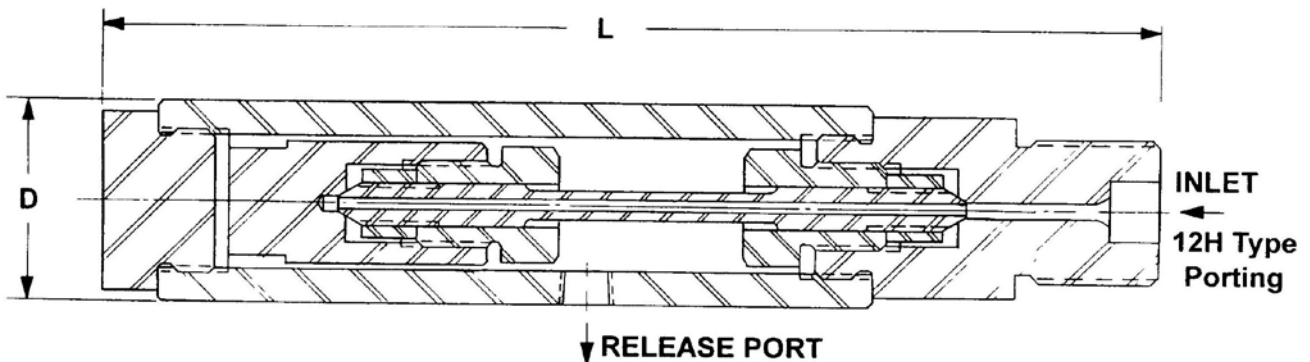
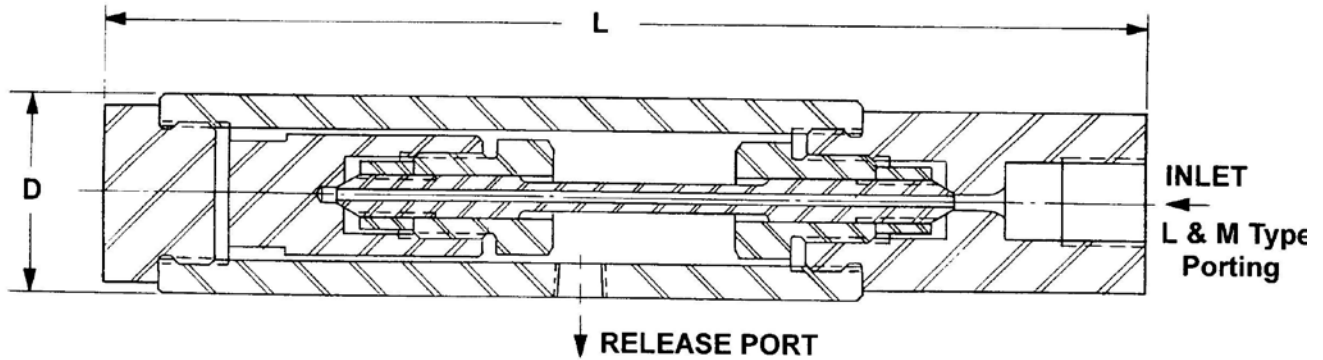
TEL: 508-668-3600 • FAX: 508-660-2276

[www.HarwoodEng.com](http://www.HarwoodEng.com)



# RUPTURE TUBE SAFETY ASSEMBLIES

for pressures to 220,000 psi



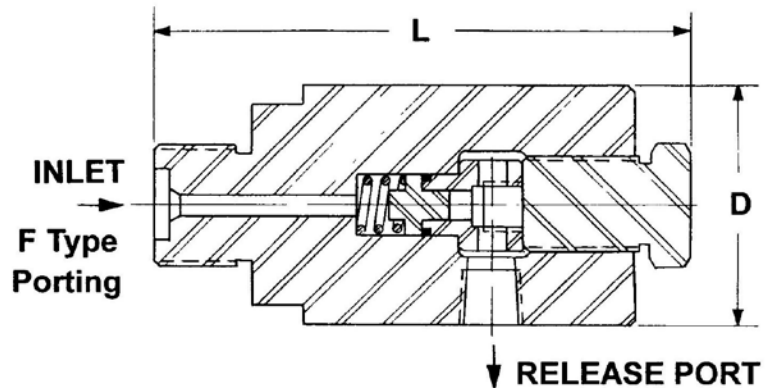
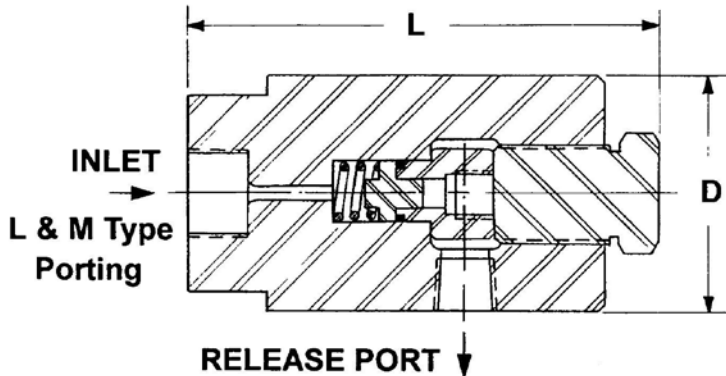
PRESSURE RATING, PSI*	INLET PORT**	RELEASE PORT, NPT	PART NUMBER	DIMENSIONS, IN.	
				L	D (DIA.)
150,000	2M	¼ - 18	C-7203	8⅞	1¾
220,000	3M	¼ - 18	C-5998	8⅞	1¾
150,000	5M	¼ - 18	C-6106	9¼	1¾
150,000	6M	¼ - 18	C-7204	9¼	1¾
100,000	4L	¼ - 18	B-8789	6¼	1½
60,000	6L	¼ - 18	C-7206	9¼	1¾
100,000	8L	¼ - 18	C-7205	9¼	1¾
60,000	9L-3	¼ - 18	C-6465	10¼	2⅜
220,000	12H-1	¼ - 18	C-5880	9¼	1¾

\*PRESSURE RATING APPLIES TO THE OUTLET PORT

\*\*HIGH PRESSURE PORTS PER HARWOOD ENGINEERING STANDARD

# RUPTURE DISK SAFETY ASSEMBLIES

for pressures to 125,000 psi



PRESSURE RATING, PSI*	INLET PORT**	RELEASE PORT, NPT	PART NUMBER	DIMENSIONS, IN.	
				L	D (DIA.)
125,000	4L	½ - 14	C-4259	5 15/16	3
60,000	6L	½ - 14	C-4260	5 15/16	3
125,000	8L	½ - 14	C-4261	5 15/16	3
60,000	9L-3	½ - 14	C-4262	5 15/16	3
20,000	9L-3	½ - 14	C-4247	6 9/16	3¾
125,000	5M	½ - 14	C-4246	6 7/16	3
125,000	6M	½ - 14	C-4246	6 7/16	3
60,000	15F	½ - 14	C-4258	7 7/8	3¾
125,000	16F	½ - 14	C-4263	6 11/16	3
60,000	24F	½ - 14	C-4257	7 7/8	3¾

\*PRESSURE RATING APPLIES TO THE OUTLET PORT

\*\*HIGH PRESSURE PORTS PER HARWOOD ENGINEERING STANDARD



## Other Harwood Engineering Co. Products

**Harwood Engineering Co., Inc.** was established in 1948 and incorporated in 1950 in answer to the demands of technical organizations for high pressure industrial and laboratory equipment. Those products have been supplied to customers around the world. Harwood Engineering Co. produces a full line of tubing (see table on next page), fittings, valves, vessels, intensifiers, measurement cells, and other apparatus for pressure to 200,000 psi.

### HIGH PRESSURE TUBING

TUBING SERIES	OUTSIDE DIA. IN.	INSIDE DIA. IN.	PRESSURE RATING, PSI	PART NUMBER
2M*	1/8	0.025	150,000	A-13914
3M*	3/16	0.025	200,000	A-13473
4L-1*	1/4	1/16	100,000	A-13756
4L-1.5*	1/4	3/32	70,000	A-13876
5M*	5/16	1/16	125,000	A-13870
6L*	3/8	1/8	60,000	A-13487
6M*	3/8	1/16	150,000	A-13871
8L*	1/2	1/8	100,000	A-13872
9L-3*	9/16	3/16	60,000	A-13875
9L-5*	9/16	5/16	20,000	A-13486
12H-1**	3/4	1/16	200,000	A-13873
12H-2**	3/4	1/8	180,000	A-13874
15F**	15/16	5/16	50,000	A-14685
16F**	1	1/4	100,000	A-14686
24F**	1.5	1/2	50,000	A-14684

\* SOLID TYPE 304 SST

\*\*COMPOSITE TYPE 304 SST CORE WITH ALLOY SHROUD

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