



**MELT PRESSURE
TRANSDUCERS & TRANSMITTERS**
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Product Specification Sheet RUPTURE DISKS (“BLOW-OUT” PLUGS)

Model RDEB

Assemblies designed for over-pressure protection of plastic extrusion processes.



FEATURES:

- Assembly consists of a threaded tubular body with a rupture disk soldered onto the process end.
- One piece construction
- 300 series SS body material, other materials available
- Burst ratings 750 to 15,000 psig
- Burst tolerance: $\pm 10\%$
- Re-disking available
- Assembly is mounted directly into the extruder equipment through a pressure port or thermocouple-well where critical pressures occur.

INSTALLATION:

It is generally good practice to inspect the mounting hole before installation and prevent any chance of leakage. Remove any polymer that might have built up in the hole. This can be done easily with GP:50's Mounting Hole Cleaning Kit (Model HCKAA).

Insert the proper burst range rupture disk in the mounting hole to approximately 100-200 inch pounds of torque.



It is imperative that the Rupture Disk be installed in a position that insures any discharge of hot polymer will not create a hazard to personnel in the area.

It is important that the rupture disk is mounted flush with the inner wall of the extrusion device. (see Fig. 1) An improperly designed device would present an area for excessive product build-up, rendering the disk ineffective. (see Fig. 2)

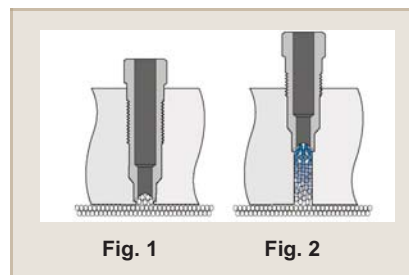


Fig. 1

Fig. 2

GP:50 reserves the right to make product improvements and amendments to the product specifications stated throughout this brochure without prior notification. Please contact the factory on all critical dimensions and specifications for verification.



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Specifications reflect standard product, improved performance/mechanical options available. Modifications may alter specs, consult factory for more information.

ORDERING GUIDE

Use the following codes to identify desired item.

MODEL	LENGTH & CONFIGURATION	RANGE	THREAD	OPTIONS
•	—	•	—	•

Example: RDEB-6H-7.5M

Model RDEB

LENGTH & CONFIGURATION

1SL	1" Rupture Disk with Slotted Head *
2SL	2" Rupture Disk with Slotted Head *
3H	3" Rupture Disk with Hex Head *
4H	4" Rupture Disk with Hex Head *
6H	6" Rupture Disk with Hex Head *
7H	7" Rupture Disk with Hex Head *
9H	9" Rupture Disk with Hex Head *
12H	12" Rupture Disk with Hex Head *

* Length defined as length under hex head.

RANGE

1.5M	1,500 PSI
2.5M	2,500 PSI
3.5M	3,500 PSI
4.5M	4,500 PSI
5M	5,000 PSI
5.5M	5,500 PSI
6.5M	6,500 PSI
7.5M	7,500 PSI
8.5M	8,500 PSI
9M	9,000 PSI
9.5M	9,500 PSI
10M	10,000 PSI
12.5M	12,500 PSI
15M	15,000 PSI

THREAD TYPE

Blank	1/2 X 20 UNF 2A (standard)
5/8	5/8 X 11 NC (RD4H, RD6H, RD9H only)
3/4	3/4 X 16UNF 2A Full Thread
3/4S	3/4 X 16UNF 2A Short Thread
M18	M18 X 1.5 (RD6H, RD12H only)

OPTIONS

1/4NPT	1/4" NPT Discharge Connection
1/2NPT	1/2" NPT Discharge Connection