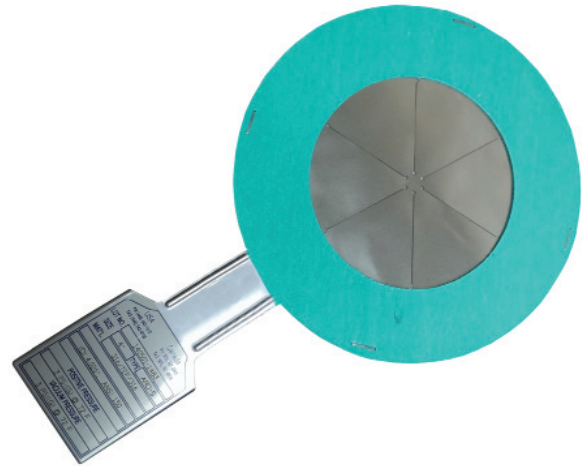


# DISCHARGE CLOSURE MCS TYPE FOAM CHAMBERS

NDD340

- Easy Installation, Even On Existing Tanks
- Prevents Product From Entering Chamber
- Ease Of Maintenance
- Reversible, Can Not Be Installed Incorrectly



## Description

The National Foam Discharge Closure is designed to provide a positive seal between the foam chamber and the product storage tank. It is designed to install directly between the foam chamber discharge flange and the tank shell. It is primarily used on tanks containing products which can polymerize or solidify in the chamber nozzle and in situations where the product stored is not compatible with the foam chamber construction materials. The Discharge Closure can also be used for containment of pressurized inert gas blankets.

## Features

- Easy installation on existing tanks
- Prevents product from entering chamber
- Ease of maintenance. Reversible, can not be installed incorrectly

## Applications

- Storage tanks containing products such as styrene which can polymerize.
- Storage tanks containing products which attack the foam chamber standard construction materials.
- Inert gas blanketed tanks

## Technical Specifications

The discharge closure shall be a flat composite disc with gaskets attached to both sides. It shall mount directly between two 150# ANSI class flanges without any special disc holder. The discharge closure shall consist of a scored stainless steel disc covered by a Teflon film. Non-asbestos gaskets, or optional teflon gaskets, shall be permanently attached to both sides of the disc. A tab shall be provided with a nameplate identifying the disc serial number, burst pressure and other relevant information. The disc shall be designed to rupture with a pressure differential of 1.5 to 2.0 PSI at 72°F. The disc shall be reversible and shall rupture at the same pressure from either direction. Back pres-

sure shall not exceed a 12" to 17" water column.

Consult National Foam for inert gas applications with pressures exceeding the standard setting (as shown below).

The foam chamber shall require the installation of a stud flange which allows the deflector to remain on the inside of the tank when the foam chamber is unbolted during installation of the discharge closure.

## Technical Data

### Setting:

Rupture pressure:  
1.5 to 2.0 PSI (10 kpa to 13 kpa)

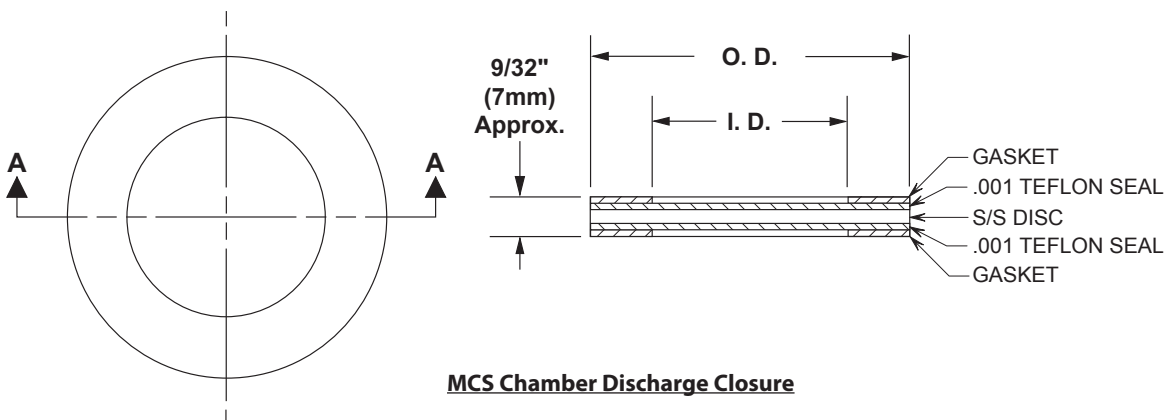
Max. Back Pressure:  
12"-17" (305-432 mm) water  
column (0.43-0.61 PSI) (2.97 kpa-  
4.2 kpa)

### Materials of Construction:

Disc: Stainless Steel & Teflon  
Gaskets: Non-Asbestos or Teflon

## Options

Disc with special burst rating.

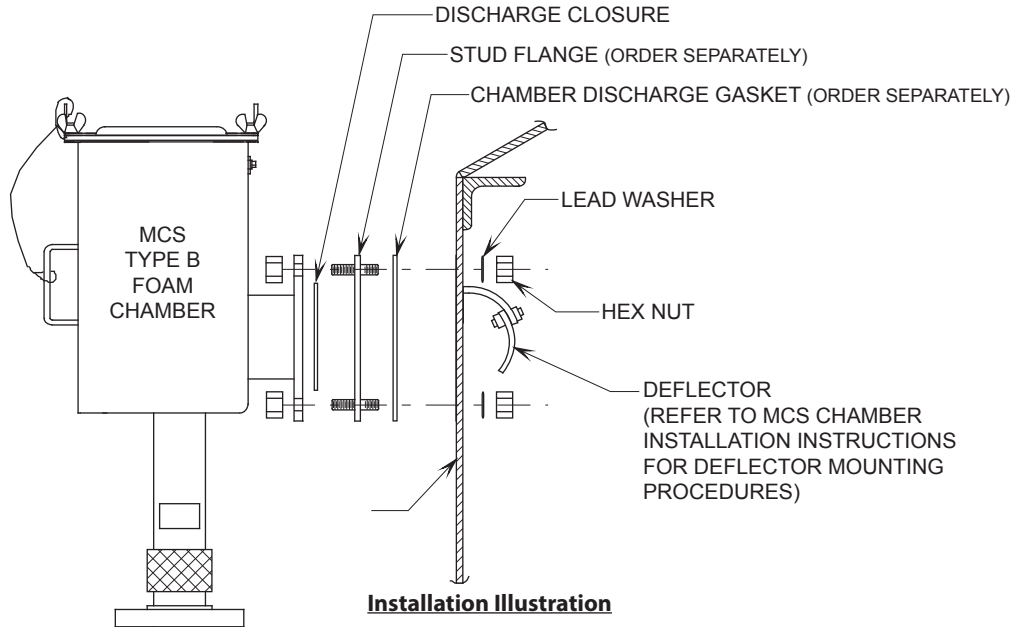


**MCS Chamber Discharge Closure**

# DISCHARGE CLOSURE

## MCS TYPE FOAM CHAMBERS

NDD340



ORDERING INFORMATION		DISCHARGE CLOSURE (NON-ABESTOS GASKET)				
CHAMBER TYPE	SIZE	PART NUMBER	O.D.	I.D.	STUD FLANGE WITH NUT	NON-ABESTOS CHAMBER DISCHARGE GASKET*
MCS-9	4"	1232-5200-4	6-3/4"	4"	1253-1821-3	1268-5734-1
MCS-9SS	4"	1232-5200-4	6-3/4"	4"	1253-1821-4	1268-5734-1
MCS-17	6"	1232-5200-6	8-5/8"	6"	1253-2821-3	1268-5804-2
MCS-17SS	6"	1232-5200-6	8-5/8"	6"	1253-2821-5	1268-5804-2
MCS-33	8"	1232-5200-8	10-7/8"	8"	1253-3821-3	1268-5844-2
MCS-33SS	8"	1232-5200-8	10-7/8"	8"	1253-3821-4	1268-5844-2
MCS-55	10"	1232-5201-0	13-1/4"	10"	1253-4821-3	1268-5854-0

ORDERING INFORMATION		DISCHARGE CLOSURE (TEFLON GASKET)				
CHAMBER TYPE	SIZE	PART NUMBER	O.D.	I.D.	STUD FLANGE WITH NUT	TEFLON CHAMBER DISCHARGE GASKET*
MCS-9	4"	1232-5202-0	6-3/4"	4"	1253-1821-3	1268-5734-3
MCS-9SS	4"	1232-5202-0	6-3/4"	4"	1253-1821-4	1268-5734-3
MCS-17	6"	1232-5202-2	8-5/8"	6"	1253-2821-3	1268-5804-4
MCS-17SS	6"	1232-5202-2	8-5/8"	6"	1253-2821-5	1268-5804-4
MCS-33	8"	1232-5202-4	10-7/8"	8"	1253-3821-3	1268-5844-6
MCS-33SS	8"	1232-5202-4	10-7/8"	8"	1253-3821-4	1268-5844-6
MCS-55	10"	1232-5202-6	13-1/4"	10"	1253-4821-3	1268-5854-1

\* Stud flange mounting nuts and gaskets are provided with bolted, split deflector chambers. The stud flange and gasket must be ordered separately when used with solid deflector chambers.