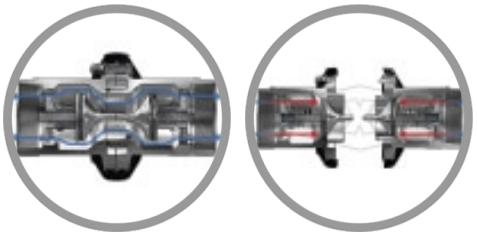
MANNTEK SAFETY BREAK-AWAY COUPLING MARINE 150# FLANGE





** Referential image*
*** Some features may vary without prior notice. Sale subject to inventory availability*

DATE
: 11/23/2026 11:38 PM

SKU
: 16789

BRAND
: DIXON VALVE

MODEL
: MSBC500SSFL

Applications:
Coupling is designed to minimize spillage and damage associated with pull away incidents.
Typically used in ship-to-offshore platform and ship-to-ship product transfer operations

Features:
Designed to be installed within a hose string where the coupling will have a length of hose attached to both sides
Coupling automatically senses an excessive load, closes the valves and disconnects
Release is executed when force causes bolts to break

Construction:
316 Stainless Steel body
FKM O-rings

Available Options:
Also available in NPT Thread, BSP thread, DN Flange, 300# ASA Flange, Grooved Ends or any combination thereof. Consult Dixon for more information.
Optional Non-closure Design available, consult Dixon for more information. The non-closure design is an economical alternative which allows the coupling to break away due to pull-away/drive-away incidents thus protecting piping systems and equipment. The design allows spillage of product in these instances due to the lack of valving in the coupling. Useful applications where non-hazardous product is being conveyed and where there are no environmental concerns.

How it works:
The safety break-away valve consists of two halves, each with a valve that

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has an O-ring seal. When the safety break-away couplings separate, it allows the valves to close. The two valves close rapidly, minimizing exposure to personnel and the environment.

Safety break-away couplings have three external break bolts. In the case of axial tension all of the bolts take up the force corresponding to the break force on the hose with a safety margin.

Safety notes:

WARNING: Cancer and Reproductive Harm- www.P65Warnings.ca.gov

TECHNICAL SPECIFICATIONS

DN Size	125.0
Factory Part Number	MSBC500SSFL
Flow	1100 GPM (4154 LPM)
Length	n/a
Material	316 Stainless Steel
Seal	FKM (FPM)
Size	5"
Weight Lb	40.5000
Width	n/a
Working Pressure	360 PSI at 70°F (21°C)

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