



Diaphragm Switch

A diaphragm—or pressure—switch works by activating a sensitive micro-switch when material reaches the level of the switch in the bin. It sends an alert that can be used to start or stop a process or alert to a high, medium or low-level in the vessel. Commonly used in grain, feed, seed or other granular material, BinMaster diaphragm switches are offered for either internal or external mounting can can be wired to a light, horn, alarm, or BinMaster point level alarm panel to indicate an alert status.

Description	Part No.
GENERAL PURPOSE NON-HAZARDOUS LOCATIONS	
BM-45 R - Diaphragm switch with standard .016" thick, black neoprene diaphragm, internally mounted	730-0004
BM-45 F - Diaphragm switch with standard .016" thick black neoprene diaphragm, externally mounted	730-0001
BM-45 RH - Diaphragm switch with heavy duty .031" thick, black neoprene diaphragm, internally mounted	730-0005
BM-45 FH - Diaphragm switch with heavy duty .031" thick, black neoprene diaphragm, externally mounted	730-0002
BM-45 RHT - Diaphragm switch with heavy duty .031" thick, grey silicone diaphragm, internally mounted	730-0006
BM-45 RHT-M - Diaphragm switch with 0.020" thick, black neoprene with nylon mesh diaphragm, internally mounted	730-0006-M
BM-45 FHT - Diaphragm switch with heavy duty .031" thick, grey silicone diaphragm, externally mounted	730-0003
BM-45 FHT-M - Diaphragm switch with 0.020" thick, black neoprene with nylon mesh diaphragm, externally mounted.	730-0003-M
BM-65 DRHT - Diaphragm switch with heavy duty .031" thick, black neoprene diaphragm, internally mounted with DPDT contact	730-0511
BM-65 DFHT - Diaphragm switch with heavy duty .031" thick, black neoprene diaphragm, externally mounted with DPDT contact	730-0512
HAZARDOUS LOCATIONS	
All diaphragm switches listed below are U/L and CSA listed for Class II, Groups E, F & G	
BM-65 R - Diaphragm switch for hazardous locations with standard .016" thick, black neoprene diaphragm, internally mounted	730-0099
BM-65 F - Diaphragm switch for hazardous locations with standard .016" thick, black neoprene diaphragm, externally mounted	730-0096
BM-65 RH - Diaphragm switch for haz locations with .020" thick, black neoprene with nylon mesh diaphragm, internal mount	730-0255
BM-65 FH - Diaphragm switch for haz locations with .020" thick, black neoprene with nylon mesh diaphragm, external mount	730-0254
BM-65 RHT - Diaphragm switch for hazardous locations with heavy duty .031" thick, grey silicone diaphragm, internally mounted	730-0101
BM-65 RHPC - Plugged chute detection with 0.020" thick, black neoprene with mesh diaphragm and heavy duty switch spring, internally mounted	730-0675
BM-65 FHT - Diaphragm switch for hazardous locations with heavy duty .031" thick, grey silicone diaphragm, externally mounted	730-0098
BM-65 FHS - Diaphragm switch for hazardous locations with .020" Thick, black neoprene with nylon mesh diaphragm, externally mounted, stainless steel mounting plate	730-0473
BM-65 FHPC - Plugged chute detection with 0.020" thick, black neoprene with mesh diaphragm and heavy duty switch spring, externally mounted	730-0676
MOUNTING ACCESSORIES	
Steel bin wall adapter for thick bin walls and hopper bottoms	290-0071
Polyethylene bin wall adapter for thick bin walls and hopper bottoms	290-0069
PLASTIC DIAPHRAGM SWITCH	
BM-25-R - Nylon polycarbonate housing diaphragm switch, .031 thick grey silicone diaphragm, internal mount	730-0813
BM-25-F - Nylon polycarbonate housing diaphragm switch, .031 thick grey silicone diaphragm, external mount	730-0814

Description	Part No.
DIAPHRAGM PARTS	
Diaphragm R & F, neoprene 0.016" thick	225-0003
Diaphragm RH & FH, neoprene .032" thick	225-0004
Diaphragm RH & FH, neoprene with nylon mesh, .020" thick	225-0031
Diaphragm RHT & FHT, silicone, .032" thick	225-0005
Diaphragm ring gasket	280-0004
Micro switch mounting bracket	205-0024
DIAPHRAGM PARTS - BM-45	
BM-45 Micro switch assembly R & F	530-0016
BM-45 Micro switch assembly RH, RHT, FH, FHT	530-0042
BM-45 Front mounting plate	270-0024
BM-45 Rear mounting plate	270-0023
BM-45 Spring	292-0001
DIAPHRAGM PARTS - BM-65	
BM-65 Micro switch assembly R & F	530-0017
BM-65 Micro switch assembly RH & FH	530-0222
BM-65 Micro switch assembly RHT & FHT	530-0044
BM-65 Micro switch assembly plugged chute	530-0817
BM-65 Front mounting plate	270-0022
BM-65 Rear mounting plate	270-0063
BM-65 Plunger assembly	416-0046