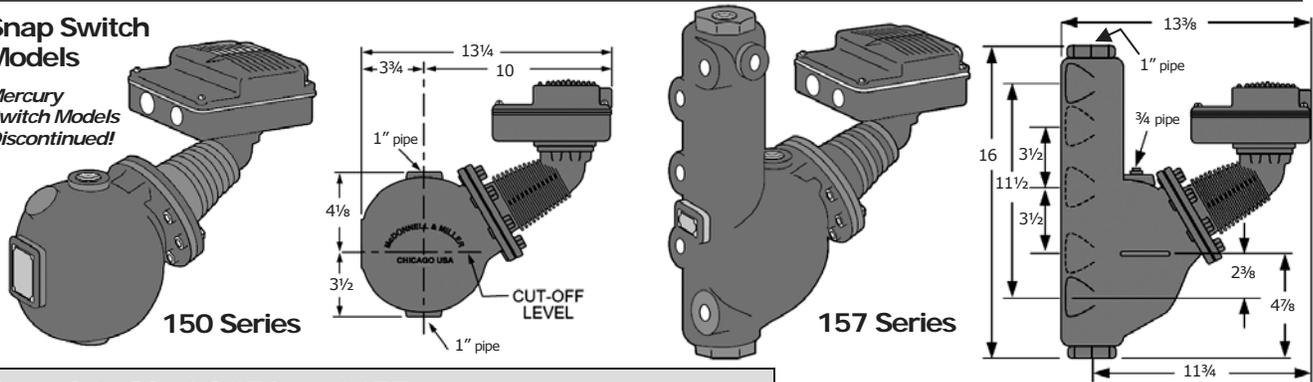


McDonnell-Miller 150 & 157 Cut-Off/Pump Control

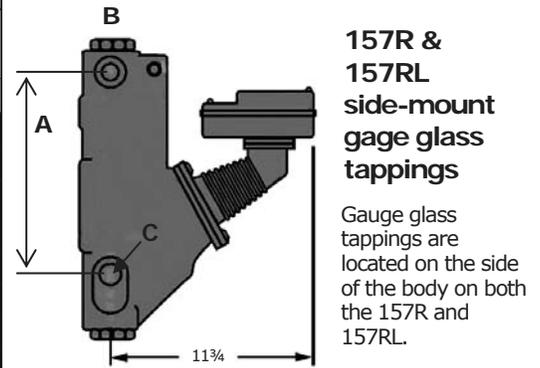
Snap Switch Models

Mercury Switch Models Discontinued!



Complete Model 150 and 157 and Head Mechanisms

Model No.	Description	Complete Order No.	Head Mechanism
150S & 157S with Snap Switches			
150S	Cut-Off/Pump Controller—Snap	MH1095	MI 1145
150S-M	150S With manual reset	MH1097	MI 1147
150S-MD	150S with Maximum Differential — Prevents nuisance burner shutdown	MH1096	MI 1147A
150S-M-MD	150S-MD with manual reset	MH1094A	MI 1147B
157S	150S with built-in water column	MH1100	MI 1145
157S-M	157S with manual reset	MH1102	MI 1147
157S-MD	157S with Maximum Differential — Prevents nuisance burner shutdown	MH1103	MI 1147A
157S-M-MD	157S-MD with manual reset	MH1099B	MI 1147B
157SRBPMD	157S-MD w/integral sensing probes	MH1104	*MI 1147A
158 & 159 with Double Snap Switches			
158-S	150S with 2 SPDT switches	MH1105D	MI 1148B
158-S-M	150S with manual reset	MH1099B	MI 1148C
159-S	150S with 2 SPST switches	MH1105F	MI 1149B
Replacements for Old Style 150 & 157 with Mercury Switches <i>Replacement Snap Switch models shown.</i>			
150	Cut-off/Pump Controller—Mercury	MH1095	MI 1145
150-M	150 with manual reset	MH1097	MI 1147
150-MD	150 with Maximum Differential — Prevents nuisance burner shutdown in low-pressure applications	MH1096	MI 1147A
150-M-MD	150 with manual reset and maximum differential for low pressure	MH1094A	MI 1147B
157	150 with built-in water column	MH1100	MI 1145
157-M	157 with manual reset	MH1102	MI 1147
157-MD	157 with maximum differential	MH1103	MI 1147A
157-M-MD	157 with manual reset and maximum differential for low pressure	MH1099B	MI 1147B
157RBPMD	157MD with integral sensing probes	MH1104	*MI 1147A
Replacements for Old 158 & 159 with Double Mercury Switches <i>Replacement Snap Switch models shown.</i>			
158	150 with 2 SPDT mercury switches	MH1105D	MI 1148B
158-M	158 with manual reset	MH1099B	MI 1148C
159	150 with 2 SPST mercury switches	MH1105F	MI 1149B



157R & 157RL side-mount gage glass tapping

Gauge glass tapings are located on the side of the body on both the 157R and 157RL.

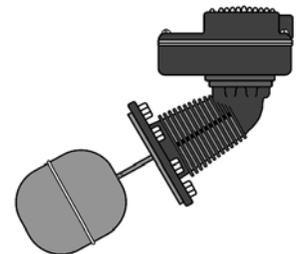
Tapping Sizes and "A" for Series 157

Product No.	157	157A	157RL
A Dimension	11 1/2"	11 1/2"	12 3/4"
B Equalizing tappings	1" npt	1 1/4" npt	1 1/4" npt
C Gauge glass & tri-cock tappings	1/2" npt	3/4" npt	1/2" npt

Head Mechanism

Convert your old mercury models into Snap-Switch models:

Replace the head mechanism!



Features of 150 and 157

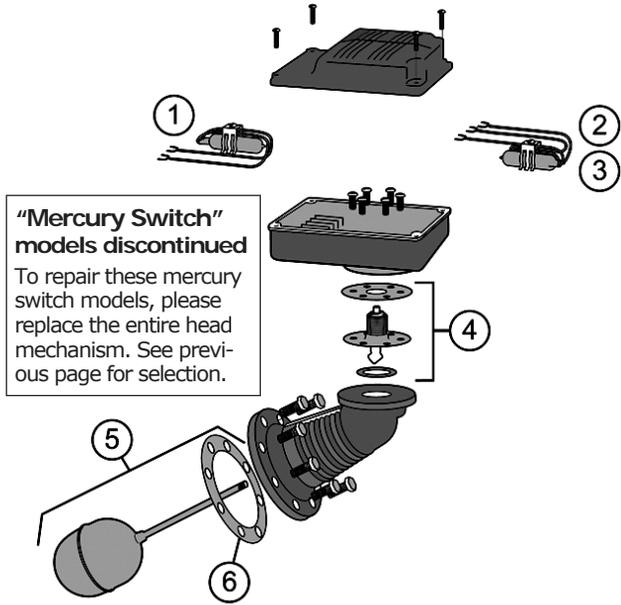
- Mercury switch models are no longer available for sale as of April 7, 2007 due to "hazardous material" classification.
- For steam boilers any steaming capacity in low or high pressures.
- Model 157 has a built-in water column
- Units with Snap Switches are Mercury Free! The snap switch replaces the old, hazardous material mercury switches.
- Units with Manual Reset need to be "manually reset" to an operational condition after a low-water condition shuts down burner.
- Max. steam operating pressure, 150 psi.

*Order the integral sensing probes separately

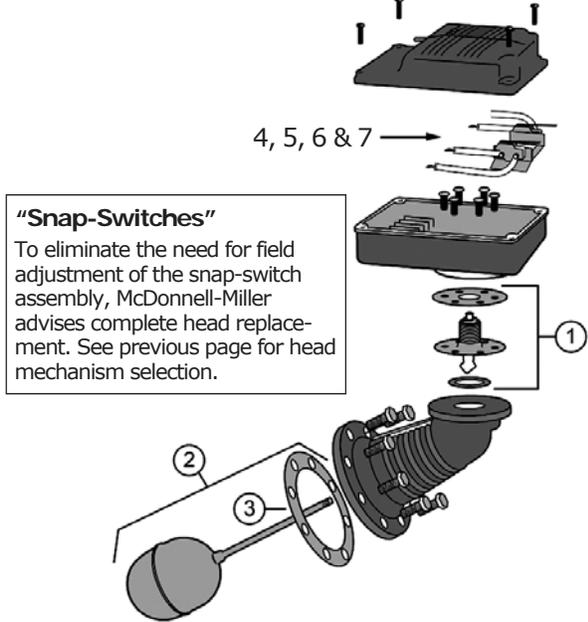
McDonnell-Miller 150 & 157 Repair Parts

No. 150 & 157 Repair Parts — Mercury Switches

No. 150S & 157S Repair Parts — Snap Switches



"Mercury Switch" models discontinued
To repair these mercury switch models, please replace the entire head mechanism. See previous page for selection.



"Snap-Switches"
To eliminate the need for field adjustment of the snap-switch assembly, McDonnell-Miller advises complete head replacement. See previous page for head mechanism selection.

Repair Parts for 150 & 157 Mercury Switch		
Part No.	*Mercury Discontinued 04/07/07	Order No.
1	Mercury switch, 2-wire	No longer available.
2	Mercury switch, 3-wire	
3	Mercury switch, 3-wire, manual reset	
4	Bellows assembly	MI 1360
5	Float & rod assembly (includes gasket)	MI 1355
6	Head Gasket (standard ring gasket)	Use MI 1140
7	Head Gasket (8-hole bolt gasket)	MI 1140
Repair Electrodes for the 157-BRP		
8	Short electrode for 157-RBP only	MI 1176A
9	Long electrode for 157-RBP only	MI 1176
10	Level control module for 157-RBP only	MI 1530

Repair Parts for 150S & 157S Snap Switch		
Part No.	Description	Order No.
1	Bellows assembly	MI 1360
2	Float & rod assembly (includes gasket)	MI 1355
3	Head Gasket (8-hole bolt gasket)	MI 1140
4	Snap switch for 150S	MI 1376
—	Snap switch for 150S-MD <i>Not shown</i>	MI 1377A
5	Snap switch for 150S-M styles	*N/A
6	Snap switch for 157S styles	MI 1378
7	Snap switch for 157S-M styles	310469
—	Snap switch for 159S <i>Not shown</i>	MI 1378B

