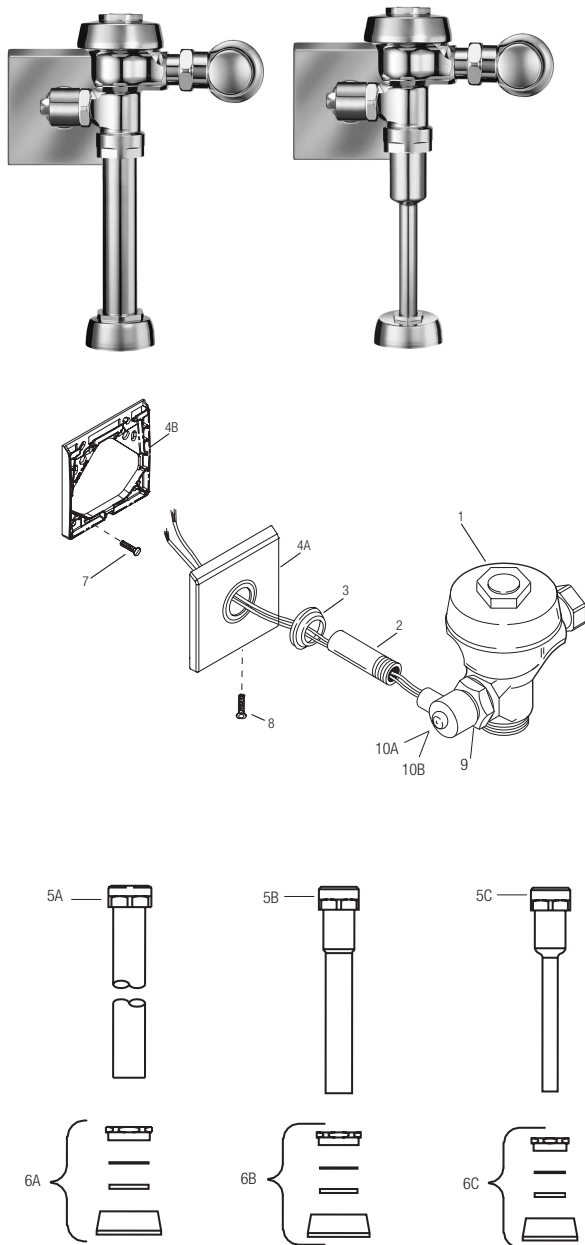


Optima® Royal® ES 24V/120V Exposed Flushometer



Solenoid Activated Royal® Model Flushometer for floor mounted or wall hung fixtures. Model "ES" Flushometers are activated remotely by an electric push button (**not included**). Royal "ES" Flushometers offer solutions for installations that require automatic, remote or other Flushometer control requirements.

ROYAL® OPTIMA® ES 24/120V EXPOSED FLUSHOMETER PARTS LIST

Item No.	Code No.	Part No.	Description
1.	‡		Solenoid Activated Valve Assembly
2.	0306249PK	F-15	Tail Assembly
3.	0345150	EL-431-A	Flange Assembly
4A.	3305105	EL-625-A	Cover Plate w/Mounting Hardwar (Closet only) (Includes EL-549 Mounting Plastic plate)
4B.	0305251PK	EL-549	Exposed Closet Mounting Plate
5A.	—	V-600-AA	1-1/2" (38 mm) Vacuum Breaker Assembly CP (Models 110/111, 115, and 116)
5B.	—	V-600-AA	1-1/4" (32 mm) x 9" (229 mm) Vacuum Breaker Assembly CP (Model 180 ES-S)
5C.	—	V-600-AA	3/4" (19 mm) x 9" (229 mm) Vacuum Breaker Assembly CP (Model 186 ES-S)
6A.	0306146	F-5-AT	1-1/2" (38 mm) Spud Coupling Assembly CP (Models 110/111, 115, and 116)
6B.	0306140	F-5-AU	1-1/4" (32 mm) Spud Coupling Assembly CP (Model 180)
6C.	0306125	F-5-AW	3/4" (19 mm) Spud Coupling Assembly CP (Model 186)
6D.	SEE SLIP JOINT GASKETS AND RINGS ON TABLE BELOW		
7.	‡		Screws (Flat Head Slotted #6/32)
8.	5305100	EL-674	Wall Plate Screw Kit (#6/32 x 15.87 mm) (6 per kit)
9.	3305043	EL-128-A	Actuator Cartridge
10A.	0305329	EL-124-2	CP 24V Solenoid Assembly Only
10B.	0305328	EL-124-1	CP 120V Solenoid Assembly Only
	3305045	EL-1028-A	Solenoid Assembly (24V) w/ Cartridge Assembly
	3305044	EL-1029-A	Solenoid Assembly (120V) w/ Cartridge Assembly
12.	3325814	EBV-1017-A	CP Valve Handle Cap
14.	3302306	B-51-A	Triple Seal Handle Repair Kit
15.	3345080	EL-126-A	ESS to TMO Retrofit Conversion Kit (Exposed*)
*	3388015	H-1015-A	Flow Control Kit (HEU Only) (not Shown)
*	0305163	EL-172-A	Electric Push Button Assembly (Optional)

‡ Part number varies with valve model variation; consult factory.

* Not shown

ITEM 6D. SLIP JOINT GASKETS AND RINGS

Size	Code No.	Part No.	Description
1-1/2"	5306058	F-3	Red Friction Ring
	5322001	VB-F-5	Black Slip Joint Gasket
	5319086	S-30	Flexible Seat
	0319079	S-21	Rigid Seat (rubber over brass)
1-1/2" x 1-1/4"	0396062	F-105	Slip Joint Gasket – Rigid
1-1/4"	5306057	F-3	Red Friction Ring
	5322176	VB-F-5	Black Slip Joint Gasket
	0307052/5307052	G-21	Rigid Seat (rubber over brass)
1"	5306056	F-3	Red Friction Ring
	5306115	F-5	Black Slip Joint Gasket
3/4"	5306055	F-3	Red Friction Ring
	5306113	F-5	Black Slip Joint Gasket