

## **3"-24" RUBBER SEAT BUTTERFLY VALVE BONDED SEAT DESIGN**

Your Pratt Rubber Seat Butterfly Valve has been designed to provide many years of useful service and, while rugged in construction, a reasonable amount of care should be exercised in handling and installation to ensure the realization of its normally long service life.

This valve is supplied with Nylon or Rulon (for temperature applications over 200°F) bearings which should never be greased or oiled and which require no further attention.

The rubber seat is firmly bonded to the valve body in the factory and cannot be replaced in the field. In the event a new rubber seat is required, the valve body must be returned to the factory.

### **V-TYPE VALVE SHAFT PACKING**

Your Pratt Rubber Seat Butterfly Valve is equipped with a valve shaft packing gland located at the point where the shaft extends through the valve body.

This packing gland is non-adjustable. It consists of a set of V-type packing rings with the top and bottom adapter ring held in place by the operator furnished on the valve.

This wear compensating V-type packing has a long service life, but should replacement be required, the table below will assist you. It is important to obtain replacement packing that conforms to the nominal depth of the packing set as listed below. A deviation will result in pressure that might prevent the packing from functioning properly. Refer to the following for the replacement procedure.

Valve Size	Shaft Size	Packing Size	Packing Location	Nominal Depth of Packing Set	*No. of Rings
3"	1/2"	1/4"	Top Only	41/64"	3
4"	5/8"	1/4"	Top Only	41/64"	3
6"	1"	1/4"	Top Only	41/64"	3
8"	1-1/8"	1/4"	Top Only	41/64"	3
10"	1-3/8"	1/4"	Top & Bottom	41/64"	3
12"	1-1/2"	1/4"	Top & Bottom	41/64"	3
14"	1-3/4"	1/4"	Top & Bottom	41/64"	3
16"	2"	1/4"	Top & Bottom	41/64"	3
18"	2-1/4"	1/4"	Top & Bottom	41/64"	3
20"	2-1-2"	1/4"	Top & Bottom	41/64"	3
24"	3"	3/8"	Top Only	1"	3

\* In addition, top and bottom adapter rings are required.

Material –

Top and Bottom Adapter: Fabric Reinforced Buna-N or Phenolic.

V-Rings: Buna-N

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## REPLACING V-TYPE PACKING RUBBER SEAT BUTTERFLY VALVES

Before commencing any work on the valve, be sure the valve disc is in the CLOSED POSITION. This prevents it from swinging freely when the operator is removed.

1. Remove old packing. A bent steel hook rod will assist in this operation.
2. Put in the new packing, one ring at a time, seating each firmly against the adjacent ring. Exercise extreme care in placing ring in packing bore so as not to damage the ring. The two sealing lips on the V-packing should be pointed toward the valve disc (see sketch below).
3. Reassemble operator to valve.

