














FlexiSeal

## PTFE FlexiSeal®

The FlexiSeal is a spring-energized U-cup utilizing a variety of jacket profiles, spring types and materials in Rod & Piston, Face and Rotary seal configurations. FlexiSeals are used where elastomeric seals fail to meet the temperature range, chemical resistance or friction requirements. Jacket profiles are made from PTFE and other high performance polymers. Spring types are available in corrosion-resistant metal alloys, including stainless steel, Elgiloy® and Hastelloy®. Standard FlexiSeals are precision machined to fit inch/fractional and MIL-G-5514 glands. Standard and custom sizes in multiple geometries are available from 1/8" to 72" diameters.

## FlexiSeal® Rod & Piston Seals

FlexiSeal Rod & Piston Product Profiles

Profile	Features	Recommended Applications	Profile	Features	Recommended Applications
FBC-V, FPC-V, FRC-V 	Chamfered ID & OD, Cantilever Spring	Maximum sealability on ID & OD.	FBN-H, FPN-H, FRN-H 	Rounded ID & OD, Helical Spring	High radial load increases sealability and friction.
FBS-V, FPS-V, FRS-V 	Scraper ID, Chamfered OD, Cantilever Spring	Scrapes contamination from rod surface.	FBS-H, FRS-H 	Scraper ID, Rounded OD, Helical Spring	Scrapes contamination from rod surface.
FBG-V, FPG-V, FRG-V 	Scraper OD, Chamfered ID, Cantilever Spring	Scrapes contamination from bore surface.	FBG-H, FPG-H 	Scraper OD, Rounded ID, Helical Spring	Scrapes contamination from bore surface.
FBD-V, FPD-V, FRD-V 	Scraper ID & OD, Cantilever Spring	Best overall in contaminated media.	FBN-C, FPN-C, FRN-C 	Back-beveled ID & OD, Canted-Coil Spring	Low radial load decreases friction and sealability.
FBK-V, FPK-V, FRK-V 	Beaded ID & OD, Cantilever Spring	Beaded lip similar to O-ring contact area.	FBS-C, FPS-C 	Scraper ID, Chamfered OD, Canted-Coil Spring	Easily snaps into a stepped gland for a piston seal.
FBM-V, FPM-V, FRM-V 	Scraper ID, Beaded OD, Cantilever Spring	Scrapes contamination from rod surface.	FBG-C, FRG-C 	Scraper OD, Chamfered ID, Canted-Coil Spring	Easily snaps into a stepped gland for a rod seal.
FBL-V, FPL-V, FRL-V 	Scraper OD, Beaded ID, Cantilever Spring	Scrapes contamination from bore surface.			