Center Core Material	Description	Applications	Temperature Range	Option Code
Nickel Plated Brass (1/4” to 2”)	Machined center core is electroless nickel plated for corrosion and abrasion resistance. Electroless nickel plating has a hardness between 58 to 62 Rockwell C scale.	Best choice for abrasive media applications. Compatible with many air, inert gases, and liquids. Ideal for slurries and high viscosity media.	Dependent on tube material selection	
Nickel Plated Aluminum (2 ½”)	Machined center core is electroless nickel plated for corrosion and abrasion resistance. Electroless nickel plating has a hardness between 58 to 62 Rockwell C scale.	Best choice for abrasive media applications. Compatible with many air, inert gases, and liquids. Ideal for slurries and high viscosity media.	Dependent on tube material selection	
PVC	Machined center core made from solid PVC	PVC is chemically resistant to acids, salts, bases, fats, and alcohols, making it resistant to the corrosive effects of many media not compatible with metals.	0° F to 150° F	-43
316 Stainless Steel	Machined center core made from solid 316 stainless steel to provide corrosion resistance.	Stainless steel is an ideal material where resistance to corrosion or staining is desired and the strength of steel is required. Many food applications benefit from using stainless steel.	Dependent on tube material selection	-45
Teflon	Polytetrafluoroethylene (PTFE) is a synthetic fluoropolymer of tetrafluoroethene commonly known as the brand name Teflon™.	Use where media is reactive or corrosive, liquid or gas, chemicals	Dependent on tube material selection	-46

End Cap Material	Description	Applications	Temperature Range	Option Code
Nickel Plated Brass (¼" to 1")	Machined Brass forging end caps are electroless nickel plated for corrosion and abrasion resistance. Electroless nickel plating has a hardness between 58 to 62 Rockwell C scale.	Best choice for abrasive media applications. Compatible with many air, inert gases, and liquids. Ideal for slurries and high viscosity media.	Dependent on tube material selection	
Nickel Plated Bronze (1 ¼" to 2 ½")	Machined cast bronze end caps are electroless nickel plated for corrosion and abrasion resistance. Electroless nickel plating has a hardness between 58 to 62 Rockwell C scale.	Best choice for abrasive media applications. Compatible with many air, inert gases, and liquids. Ideal for slurries and high viscosity media.	Dependent on tube material selection	
PVC	End caps are machined from solid PVC	PVC is chemically resistant to acids, salts, bases, fats, and alcohols, making it resistant to the corrosive effects of many media not compatible with metals.	0° F to 150° F	-57
316 Stainless Steel	End caps are machined from solid 316 stainless steel for corrosion resistance	Stainless steel is an ideal material where resistance to corrosion or staining is desired and the strength of steel is required. Many food applications benefit from using stainless steel.	Dependent on tube material selection	-59

Seal Material	Other Common Names	Description	Applications	Temperature Range	Option Code
Buna-N	Nitrile, Acrylonitrile Butadiene Rubber	An economical soft synthetic rubber with good mechanical performance. Resistant to air, many gases, water, most basic oils (petroleum, mineral oil, vegetable oil), lubricants, some fuels, dilute acids, alkalis, and solvents.	Often used in pneumatic, hydraulic, vacuum, and water systems. The best tube choice for aggressive media such as sand, abrasive blast media, slurries, high viscosity liquids. Also good for food media such as peanut butter, honey, flour, juices, etc.	-30° F to +250° F	
Viton®	Fluorel®, Technoflon®, (FKM)	A synthetic rubber and fluorocarbon elastomer commonly used in seals, gaskets, and other molded goods. It has a significantly higher density than most types of rubber and is compatible with hydrocarbons, but not ketones such as acetone, methyl ethyl ketone, or ester solvents. It has a high-temperature resistance. Because of its high density, good wear characteristics are exhibited, especially under heavy loads exerted by high pressures.	Used for seals where high temperature and/or chemical resistance are required, and the fluid media is not compatible with Buna-N.	0° F to +400° F	-26
Ethylene Propylene	EPR, EPM, Nordel, Keltan®, Royalene	A synthetic copolymer of ethylene and propylene with good chemical and temperature properties. It is resistant to chemicals that are phosphate-ester-based including hydraulic fluids, silicone oils and greases, glycol and silicon-based brake fluids, sodium, and potassium alkalis as well as hot water and steam up to 300° F. It is not compatible with petroleum-based lubricants and oils.	Excellent for phosphate-ester fluids, acids, and solvents (such as MEK and Acetone) and where operation at extremely cold temperatures are required.	-70° F to +300° F	-29