



Valves and Fittings for Gas Sampling Bags Features and Benefits



Polypropylene Screw Cap Combo Valve with Replaceable Septum	
Feature	Benefit
On/Off valve function with replaceable septum in a single unit.	Economical: Cost savings in manufacturing is passed on to customers. Septum can be changed.
Lightweight.	Reduces shipping costs. Easier to carry in the field.
Made of Inert polypropylene.	Ensures purity of sample and non-contamination.
Quick turning screw cap to open and close valve. Cap stop limits amount cap can be opened.	Quick, easy opening and closing of valve, saves time. Cap stop leaks from opening cap too far.
Visual confirmation that valve is open or closed.	Prevents accidental sample loss. No guessing whether valve is open or closed.
Replaceable fluoropolymer faced, low bleed septum.	Allows reuse of valve by replacing inexpensive septum.
Designed and manufactured by Jensen Inert Products.	Designed specifically for gas sampling applications.



Polypropylene Locking[®] Combo Valve with Septum	
Feature	Benefit
On/Off valve function with septum in a single unit.	Economical: Cost savings in manufacturing is passed on to customers.
Lightweight.	Reduces shipping costs. Easier to carry multiple bags into the field.
Made of Inert polypropylene.	Ensures purity of sample and non-contamination.
Push/Pull (On/Off) valve stem.	Quick, easy opening and closing of valve (< 1 second). Faster than "twist-action" valves.
Quick Locking function, in closed position, with visual confirmation. No tools required.	Locked position is easy to verify visually, and prevents accidental sample loss during shipment. Virtually impossible to open or close valve to far.
Fluoropolymer faced septum, with Ultra-low bleed silicone.	Located in base flange of valve with bag film below, so septum does not come into contact with sample inside bag. Septum allows repeated punctures with syringes without leakage. Ultra-low bleed silicone prevents contamination.
Designed, patented and manufactured by Jensen Inert Products.	Designed specifically for gas sampling applications.

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Stainless Steel TCLP Fitting with Replaceable Septum	
Feature	Benefit
Stainless steel body construction with aluminum cap.	Durability, withstands use in austere sampling conditions. Sample contacts only stainless steel.
Designed and manufactured by Jensen Inert Products.	Lower cost compared to 1/4" Swagelok type fittings and nickel plated Halkey Roberts fitting.
Designed for use with Zero Headspace Extractors.	Validated fitting style for EPA TCLP (Toxicity Characteristic Leaching Procedure) method. Not an "off the shelf" item.
Replaceable fluoropolymer faced septum.	Allows reuse of valve and bag by only replacing septum.



Swagelok® type Stainless Steel Fitting for Tubing or Septum	
Feature	Benefit
Stainless steel construction.	Durability and ability to withstand use in austere sampling conditions.
Option of cap for tubing or septum.	Allows attachment of tubing or syringe sample extraction by switching caps.
Replaceable fluoropolymer faced septum with large area.	Allows repeated punctures with common lab syringes. Allows reuse of valve by only replacing septum.



Nickel Plated Halkey® Roberts Barbed On/Off Valve	
Feature	Benefit
Nickel Plated.	Resists damage from most aggressive chemicals.
Barbed stem for attaching tubing.	Helps hold tubing in place.
Leak resistant seal in closed position.	Prevents sample loss in closed position. However, when stem is not closed, sample air passes into ambient air outside valve.

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Plastic Jaco® Fitting for Tubing or Septum	
Feature	Benefit
Compression ferrule secures tubing onto fitting.	Superior grip compared to metal fittings.
Polypropylene molded construction.	Inexpensive compared to metal fittings.
Option of cap for tubing, or cap with septum.	Allows attachment of tubing or syringe sample extraction by changing caps.
Replaceable fluoropolymer faced septum with large area.	Allows repeated punctures with common lab syringes. Allows reuse of valve by only replacing septum.



PFA Fitting for Tubing or Septum	
Feature	Benefit
PFA fluoropolymer construction	Sample only comes into contact with high purity, inert fluoropolymer PFA, the ultimate in chemical resistance and non-contaminating material.
Option of cap for tubing, or cap with septum.	Allows attachment of tubing or syringe sample extraction by changing caps
Compression ferrule secures tubing onto fitting.	Superior grip compared to metal fittings.
Replaceable fluoropolymer faced septum with large area.	Allows repeated punctures with common lab syringes. Allows reuse of valve by only replacing septum.

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