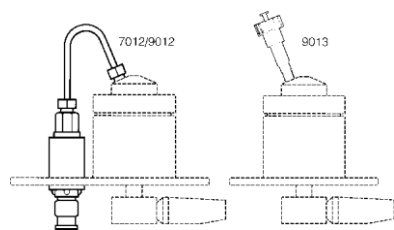


Rheodyne Accessories



Rheodyne Accessories

Needle Port Accessories



Rheodyne's adaptable loop filler ports are used to load sample from syringe needles or luer tips. The needle port conserves sample by minimizing the volume between the needle and the valve. The preferred needle diameter is 22 gauge (.028" OD), but the seal can be tightened to accommodate sizes down to 26 gauge (.018" OD).

Cat. No.	Description	Price
7012	SS Loop filler port	
9012	PEEK Loop filler port	
9013	PEEK Needle port	
7125-054	Needle port cleaner	
9125-076	Suction needle adapter (9725)	
7012-009	Needle port fitting for 7012	

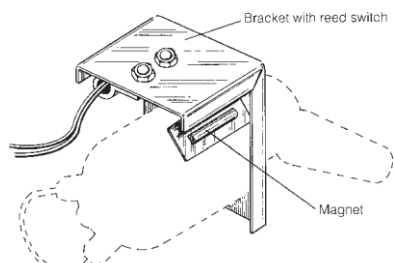


Mounting Brackets

Rheodyne mounting brackets and panels of different shapes and sizes organize and provide a sturdy support for Rheodyne valves. The ring stand mounting bracket now allows the valves to mount onto common laboratory equipment.

Cat. No.	Description	Price
5060	Teflon rotary valve angle mounting bracket	
7160	Mounting panel	
7160-010	Valve angle mounting bracket	
7160-029	Ring stand mounting bracket	
5060-007	"MX" Ring stand mounting bracket	

Position Sensing Switch



The position sensing switch uses a magnetic reed to make a reproducible start to record the injection time in the data system of a chromatograph. This convenient, mountable switch is available for sample injectors without "i" versions.

Cat. No.	Description	Price
7161-020	Position sensing switch: 7125	
7161-016	Position sensing switch: 7010,7410,7413,7040	97.90
7165	Position sensing switch: 7520	

Column Inlet Filters

Column inlet filters are useful accessories to extract particles from the sample between the injector and the column. Rheodyne offers filters and replacement filter discs of different ID sizes for low or medium dispersion. Column connecting tubes are also available.

Cat. No.	Description	Price
7315	0.5µm Column inlet filter, 1.5mm ID	
7315-010	0.5µm Replacement filter discs for 7315, 5/pk	
7335	0.5µm Column inlet filter, 3.0mm ID	
7335-010	0.5µm Replacement filter discs for 7335, 5/pk	
7312-008	0.18mm x 60mm Connecting tube	
7312-009	0.13mm x 60mm Connecting tube	

Rheodyne Wrench

The smartly designed Rheodyne wrench is a double-ended slotted socket wrench that fits over 1/16" and 1/8" ID tubing and loosens and tightens 1/4" and 5/16" stainless steel or PEEK fittings. The "Z" shape of the Rheodyne wrench provides ideal leverage for changing sample loops and fittings, and keeps one end from restricting the use of the other.

Cat. No.	Description	Price
6810	Rheodyne wrench	

Miscellaneous Replacement Parts

Cat. No.	Description	Price
7125-008	Needle guide (for analytical front loading injectors)	
7010-015	Isolation seal	
7125-129	Set screw for knob, 10/pk	

Accessories for Rheodyne Valves



ChromTool™

ChromTool™

- Great for those crowded fittings
- Slotted nut driver-fits over tubing

Have you ever tried to use an open-end wrench to tighten nuts on your HPLC injection valve? The ChromTool is a convenient slotted nut driver that fits around the nut (even on the short nuts of crowded HPLC injection valves).

The ChromTool is available in two sizes - 1/4" for standard HPLC nuts and 5/16" for Waters and SSI nuts.

Cat. No.	Description	Price
CT-1000	ChromTool, 1/4"	
CT-2000	ChromTool, 5/16"	

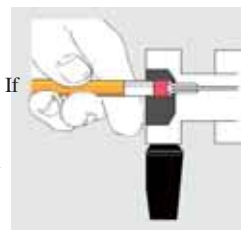


Fig 1. To reform the needle seal, push the eraser end of a pencil against the needle port.

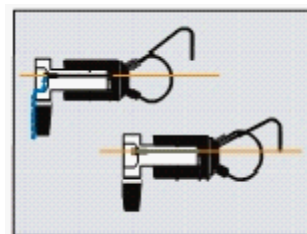
Leaks cause valuable sample loss. Nobody wants this. The key to the valve holding pressure is the integrity of the sealing surfaces. If there is a scratch on the sealing surface, or the needle seal in the rotor seal is damaged, a leak may appear. It is also important to realize what appears to be a leak can instead be a result of siphoning. The following are the three most common situations in which fluid leaks occur.

1. If fluid leaks out of the needle port only while loading the loop, ie: while pushing

down on the plunger of the syringe, the problem is most likely that the needle seal or the needle port fitting in the loop filler port is not gripping the syringe needle tightly enough to prevent leakage around the syringe needle.

Tighten the needle seal grip by pushing down on the needle port or replace the needle port fitting to make a tighter grip on the needle. The tightening reduces the hole diameter of the needle seal and port fitting.

2. If fluid leaks continuously from the needle port or vent lines and/or from the stator-to-stator ring interface, the rotor seal and/or stator face assembly needs to be replaced. Scratches on the rotor seal or cracks in the stator face assembly allow mobile phase to escape and cause cross port leakage.



3. If fluid leaks from the needle port and/or vent lines but eventually stops, the cause is most likely siphoning and not a leak. Siphoning occurs if the vent lines are lower or higher than the needle port. Adjust the vent line(s) so that the outlet is at the same horizontal level as the needle port to prevent siphoning.



Syringes for Rheodyne Injection Valves

Volume	MICROLITER 700SNR Fixed Needle		GASTIGHT 1700N Fixed Needle Small Bore		GASTIGHT 1700RNR Fixed Needle Large Bore		GASTIGHT Removable Needle		Replacement Needles, 6/pk Small Bore		Replacement Needles, 6/pk Large Bore	
	Cat. No.	Price	Cat. No.	Price	Cat. No.	Price	Cat. No.	Price	Cat. No.	Price	Cat. No.	Price
10µL	80365						80065		7770-01		7770-02	
25µL	80465		80275		80285		80265		7770-01		7770-02	
50µL	80565		80975		80985		80965		7770-01		7770-02	
100µL	80665		81075		81085		81065		7770-01		7770-02	
250µL	80765		81175		81185		81165		7780-03		7780-04	
500µL	80865				81216		81265		7780-03		7780-04	
1mL					81316		81365		7780-03		7780-04	
2.5mL					81416							
5.0mL					81516							

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