

SG-1 DI Water Spray Gun

Product Overview

The PFA DI Water Spray Gun is suitable for use in high purity semiconductor applications. The design utilizes a molded high purity PFA body with precision machined sealing areas. A one piece machined modified PTFE diaphragm/poppet provides excellent flexibility and long life. Wetted surfaces are PFA and modified PTFE thus eliminating the need for elastomer seals. The SG-1 is available with either 1/4" FNPT or 3/8" Parflare connections. Optional coiled hoses, with or without recirculation feature are also available.



Features

One piece precision machined diaphragm/poppet manufactured from the latest technology modified PTFE. Provides over five times the flexural life as compared to conventional PTFE. Wiper seat for positive through flow shut off and diaphragm to body seal.

Reversible/removable hanger.

Optional recirculation kit.

Benefits

High cycle life.

Lower replacement costs.

Less downtime.

Allows hanging in either direction.

Provides low dead volume, purity maintaining circulation.

Specifications

Materials of Construction:

Wetted Surfaces - PFA, Modified PTFE
External Surfaces - PFA, PVDF, and PET handle retention screw.
Other Materials - Stainless steel spring

Pressure Ranges:

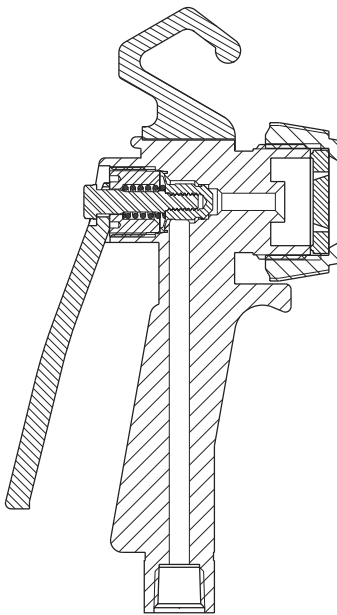
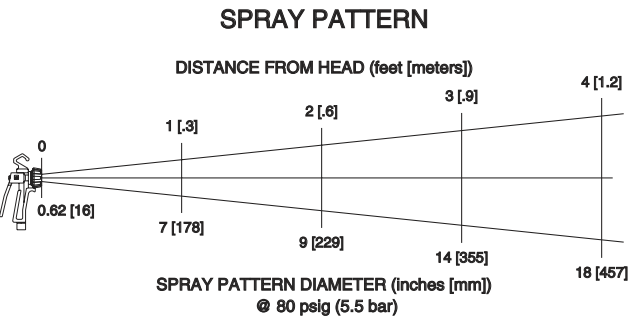
0 PSIG (0 bar) to 80 PSIG (5.5 bar)

Pressure range above is for operation at ambient temperature. For use at higher temperatures consult Pressure/Temperature chart on page 3.

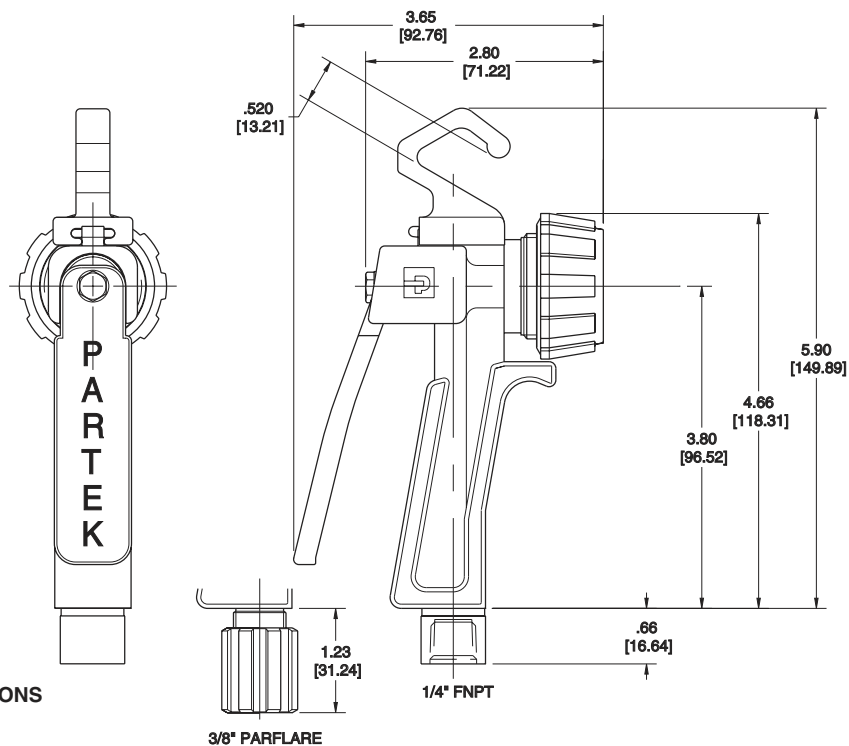
Temperature Ranges:

0° - 150° F (-17° - 66° C) Ambient

0° - 200° F (-17° - 93° C) Fluid

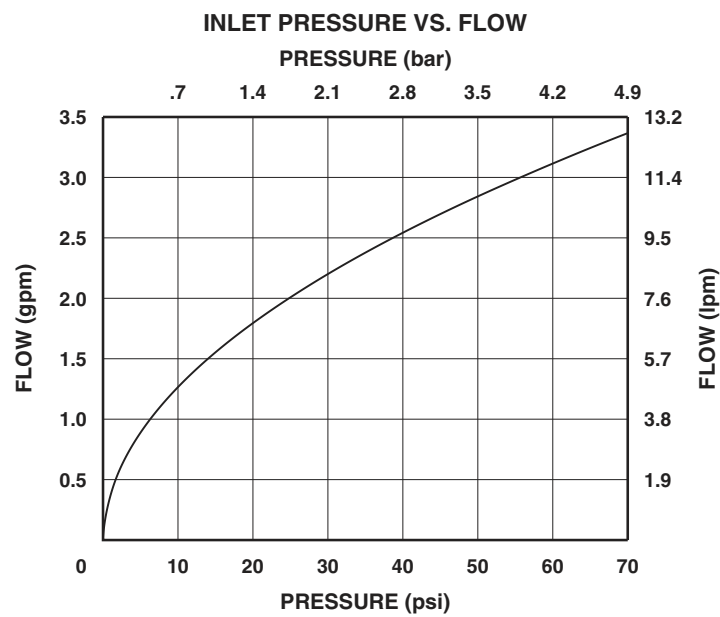


SG-1 DI Water Spray Gun



BRACKETED DIMENSIONS
ARE IN mm.

Model Number	End Connection	Description
SG-1-01	1/4" FNPT	Spray Gun only
SG-1-02	3/8" Parflare	Spray Gun only
SG-1-02-01	3/8" Parflare	Spray Gun with complete 1002-0158 Recirculation Assembly
FBMTR-2G64	N/A	Recirculating Tee Connector only
1002-0158	"	Complete Recirculation Kit with FBMTR-2G64 and 8' FEP Coil
1002-0161	"	8' FEP Coil only



SG-1 Nitrogen Gun

Product Overview

The PFA Nitrogen Gun is suitable for use in high purity semiconductor applications. The design utilizes a molded high purity PFA body with precision machined sealing areas. Interior surfaces are PFA and a one piece machined modified PTFE diaphragm/poppet. This design eliminates the need for elastomer seals, while providing excellent flexibility and long life. The SG-1 is available with 1/4" FNPT or 3/8" Parflare connections. Additional options include a .2, or .5 micron filter and a coiled hose assembly.



Features

One piece precision machined diaphragm/poppet manufactured from the latest technology modified PTFE. Provides over five times the flexural life as compared to conventional PTFE. Wiper seat for positive through flow shut off and diaphragm to body seal.

Reversible/removable hanger.

Benefits

High cycle life.

Lower replacement costs.

Less downtime.

Allows hanging in either direction.

Specifications

Materials of Construction:

Interior Surfaces - PFA, Modified PTFE, (optional HDPE filter element)
External Surfaces - PFA, PVDF, and PET handle retention screw.
Other Materials - Stainless steel spring

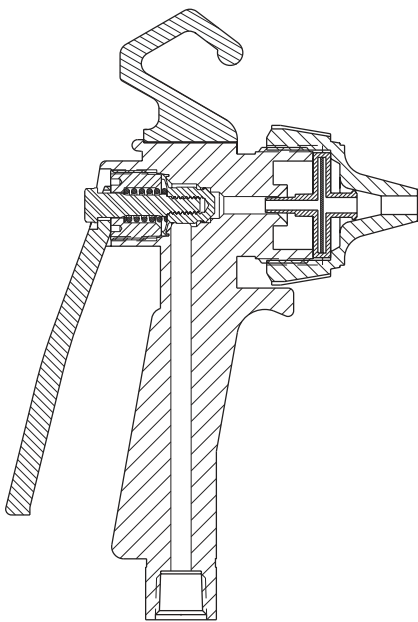
Pressure Ranges:

0 PSIG (0 bar) to 80 PSIG (5.5 bar)

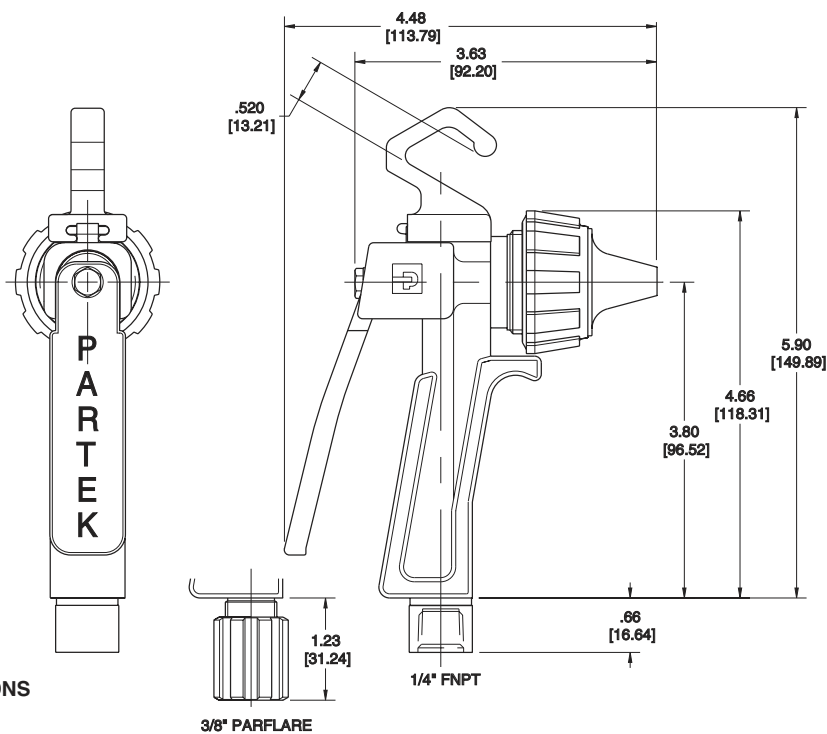
Pressure range above is for operation at ambient temperature. For use at higher temperatures consult Pressure/Temperature chart on page 3.

Temperature Ranges:

0° - 150° F (-17° - 66° C) Ambient
0° - 200° F (-17° - 93° C) Fluid



SG-1 Nitrogen Gun



BRACKETED DIMENSIONS
ARE IN mm.

Model Number	End Connection	Description
SG-1-03	1/4" FNPT	Spray Gun only (No Filter)
SG-1-04	3/8" Parflare	Spray Gun only (No Filter)
SG-1-03-X	1/4" FNPT	Spray Gun with Filter (Add -2, or -5 for 0.2, or 0.5 Micron Element)
SG-1-04-X	3/8" Parflare	Spray Gun with Filter (Add -2, or -5 for 0.2, or 0.5 Micron Element)
1002-0161	N/A	8' FEP Coil only
4999-0114	"	0.5 Micron Replacement Element
4999-0115	"	0.2 Micron Replacement Element

