SCORPION Jr.
Pneumatic Actuation

Series 890

Model Shown: 8901

◆ Operated by pneumatic pulse.

◆ Up to four injectors and nozzles can be used.

◆ Servo-Meter injector. 1-Drop capacity; optional 2-drop and 1/2-drop capacities.

◆ Snaplock® coolant dispensing nozzle. Optional copper nozzles.

◆ Optional magnetic nozzle base.

◆ Optional 10-ounce capacity coolant reservoir.

◆ **NPTF** port threads; optional **BSPP** threads.

SPECIFICATIONS

Ambient/Media Temperature:
40° to 125°F (4° to 52°C).

Body Blocks: Anodized aluminum.

Hose: Optional 6 feet long braided PVC. Longer or shorter hose in 1-foot increments.

Injector: 1-Drop-rated Servo-Meter; 0 to 0.030 ml per pulse. Optional 2-drop-rated Servo-Meter; 0 to 0.060 ml per pulse. Up to four injectors can be used. Injection frequency up to 100 pulses per minute.

Inlet Port:
1/8 NPTF; optional 1/4 NPTF. Optional BSPP threads.

Inlet Pressure: 60 to 120 psig (4 to 8 bar).

Nozzle: Snaplock® with 12-inch flexible segmented plastic. Optional 18-inch or 24-inch lengths. Optional copper nozzles and fan tips.

On/Off Control: Manual.

Reservoir: Optional integral clear plastic with 10-ounce (300 ml) capacity.

Seals: Air, nitrile; oil, Viton.

BASIC SYSTEMS

Four basic Scorpion Jr. systems are described below. They will satisfy the requirements of many coolant applications, and can simply be ordered by the 4-digit model numbers given in the descriptions. However, to order a system with additional options see Ordering Information on the facing page.

Model 8901: One-injector system.

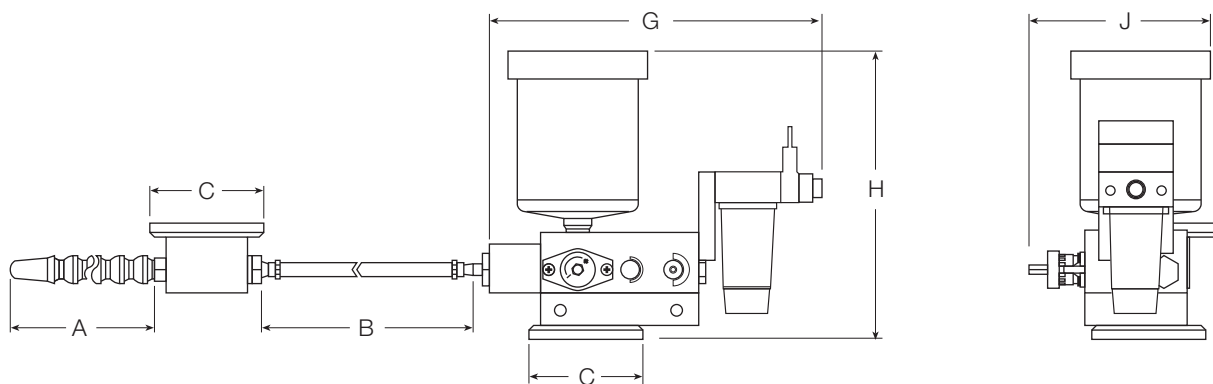**Model 8902:** Two-injector system.

Model 8903: Three-injector system.

Model 8904: Four-injector system

Each of the above includes:

> 1/8 NPTF inlet port
> One-drop injectors
> 12-Inch Snaplock® nozzle
> No filter

Master Pneumatic, Inc.

DIMENSIONS inches (mm)

Dimension		Add for Each Additional Nozzle Assembly
A	12 (305) Std.	—
B	72 (1830) Std.	—
C	2.6 (66)	—
G	5.3 (135)	—
H	7.2 (183)	1.3 (33)
J	4.3 (109)	—

ORDERING INFORMATION

Change the letters in the sample model number below to specify the Scorpion Jr. assembly you want.

8900 1 1 0 0 1 A 00 K B 1

NUMBER OF INJECTORS/NOZZLES
Specify number from 1 to 4.

INJECTOR RATING
1 Drop (standard)............................. 1
2 Drops 2
1/2 Drop.. 5

RESERVOIR
10-Ounce capacity 0
None 1
10-Ounce capacity (no coolant) 4

MOUNTING BLOCK BASE (See C in dimensional drawing above.)
Magnetic 0
No base 1

INLET PORT and FILTER
1/8 NPTF (with Sentry filter) 1
1/4 NPTF (with Sentry filter) 2
1/8 NPTF (without filter) 0
1/8 BSPP (with Sentry filter)............. A
1/4 BSPP (with Sentry filter)............. B
1/8 BSPP (without filter)................... C
1/4 BSPP (without filter)................... D

NOZZLE
Standard conical tip.......................... 1
Fan tip 2

NOZZLE LENGTH
12 inches (305 mm)........................... A
18 inches (457 mm)........................... B
24 inches (610 mm)........................... C
36 inches (914 mm)........................... D

NOZZLE TYPE
Copper... H
Snaplock® .... K

HOSE LENGTH
None 00
6 Feet (1.8 m) with base C in
dimensional drawing above 06
Specify desired length (in feet)
    with two digits. For example,
    08 for 8 feet, 12 for 12 feet .... **

HOSE TYPE
None .... A
Braided PVC hose .... T