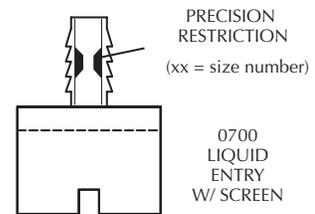


Pow-R-Jet® and Pow-R-Jet DM foggers, models 6309 and 6329, are **fixed flow** machines. They do not have an adjustable valve to regulate flow and droplet size. Instead they use a precision restriction. With liquid flow fixed, the user need specify only run time to ensure consistent results – no worries about valve adjustment.

The flow restriction is built into the optional 0700 liquid intake assembly. The 0700 is available in many sizes, allowing precise control of flow from the maximum capability of the fogger (no restriction) down to very low rates (see table below). Since liquid flow determines droplet size, fog properties are accordingly fixed.

The 0700 contains a fine screen to protect the restriction from dirt. If the screen should become fouled, wash it off with a gentle stream of water. Do not scrape the screen; you may force debris into the restriction and alter its properties. An obstructed restrictor cannot be recovered.



Flow Data

The following table shows the flow of distilled water through different size restrictors at a pressure drop of 1 psi – about typical for the 6309 fogger. Since liquid density, viscosity and pressure also affect flow, it is best to measure the actual flow of your liquid with a trial unit, then use the table to scale to the size needed.

Restr. #	Cv gpm@1 psi	Approx.Flow ml/min	oz/min	Restr. #	Cv gpm@1 psi	Approx.Flow ml/min	oz/min
6	0.0009	3.4	0.12	26	0.0160	60.6	2.05
9	0.0019	7.2	0.24	29	0.0190	71.9	2.43
12	0.0034	12.9	0.44	32	0.0240	90.8	3.07
15	0.0050	18.9	0.64	35	0.0280	106.0	3.58
18	0.0073	27.6	0.93	38	0.0320	121.1	4.10
19	0.0080	30.3	1.02	42	0.0390	147.6	4.99
20	0.0090	34.1	1.15	47	0.0480	181.7	6.14
23	0.0120	45.4	1.54				

NOTE: Flow data exclude the effect of the protective screen. This is less than 1 percent for a clean screen, but may be substantial for a dirty one.

(Continued ...)

Quick Connect Flow Restrictor Assembly (0700Q-xx)

The 0700-xx screen weight takes the place of the standard 051 or 227 screen weight assembly used in the stock hand held and drum mount machines. To order a new machine with a 0700Q-xx assembly installed, specify the optional KUL-005-xx upgrade.

The 0700Q-xx assembly includes a short tube for the fogger power head, a quick connect fitting, tubing to length and a 0700-xx flow restrictor liquid entry.

The quick connect fitting makes it easy to change restrictor size, and flow rate and fog droplet properties. Just unscrew the twist lock fitting, remove the old assembly, transfer the dust cap, and screw on the new assembly.

To add a flow restrictor to a standard 6309 or 6329 fogger, purchase a 0700Q-xx (as a part) and install it in place of the original liquid inlet assembly.

Item Numbers

Relevant item numbers are:

- | | |
|------------|--|
| 0700Q-00 | Quick connect liquid entry assembly (no flow restrictor; maximum output). |
| 0700Q-xx | Quick connect liquid entry assembly with size "xx" flow restrictor ("xx" is stamped on the top of the 0700). |
| KUL-005-xx | A product upgrade code to indicate that a 6309 or 6329 fogger has a 0700-xx liquid entry in place of the standard screen weight. |

Materials of Construction

Materials of construction are:

0700 Liquid Entry	300-series stainless steel
Protective Screen	300-series stainless steel
Keeper ring (secures screen)	nylon
Quick-change fittings and caps	polypropylene

