

ROCKET

HIGH PERFORMANCE INJECTION TECHNOLOGY



CHEMICAL INJECTING HAS NEVER BEEN SO SIMPLE

ROCKET

PROPELLING THE F

A SUPERIOR DESIGN

MOST EFFICIENT

With the lowest pressure loss among competitive units, the Rocket injectors deliver more pressure for any application.

The Rocket injector enables cleaning at greater pressures while consuming less chemicals.

EFFORTLESS TO REPAIR

Use of a removable nozzles and metering barb make maintenance and repair simple extending the life of an injector.

The long lasting, durable injector bodies, designed to be field serviceable, reduce the cost to maintain the Rocket.

GREATEST RANGE

The Rocket leads the industry by running the gamut of operating pressures and covering the extreme range of dilution ratios.

The flexibility of the Rocket helps to operate systems at lower pressures, saving energy and reducing operational costs.

BETTER PERFORMANCE

LOWER COST OF OWNERSHIP

MOST VERSATILE

DESIGNING THE SYSTEM...

BEING A ROCKET SCIENTIST BECOMES A REALITY



Chemical injection system from
DEMA DEM components



CUSTOMIZATION FOR A CHEMICAL INJECTION SYSTEM IS AS SIMPLE AS 1...2...3

1.) COLORS



We have options on metering barb colors to match any scheme needed. Metering barbs can be customized at low minimums for existing colors.

2.) CHEMICALS



We have plenty of seal materials at our disposal to allow for the chemical compatibility needed to get long life out of the Rocket Injector.

3.) FLOW



We have the ultimate in flexibility with American Manufacturing so that we can cover any flow needed for any application.

FUTURE OF CHEMICAL INJECTION SYSTEMS

A LOOK INSIDE: WHAT MAKES THE ROCKET FLY?

Removable metering barb for ease of maintenance and repair



Color coded metering barb to easily identify nozzle orifice size inside injectors

Teflon ball for chemical compatibility and check valve to keep chemical at the ready



Hastalloy spring for robust chemical compatibility



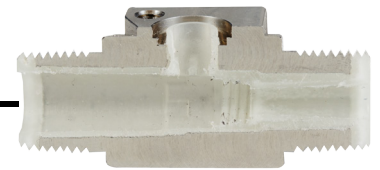
Aflas seals for best chemical compatibility



316 Stainless Steel removable nozzle for strength and ability to repair



Injection molded polypropylene to protect stainless steel body



Stainless steel cast body for strength



ACCESSORIES

464M STAINLESS STEEL MANIFOLD



1/2" NPT Inlet

150 PSI MOPD

3/8" NPT Outlet Injectors can thread directly into Manifold

Viton Diaphragms Standard

REPAIR KITS

Each Kit allows full rebuilding of a unit



NOZZLE AND BARB KITS FOR SINGLE BARBS

21.057	21.070
21.083	21.086
21.098	21.125

NOZZLE AND BARB KITS FOR DUAL BARBS

22.057	22.070
22.083	22.086
22.098	22.125

Y STRAINERS



S4B

1/2" NPT for inlet to manifold to protect valves and injectors



S3P

3/8" NPT for inlet to injectors for designing chemical injection systems

CHECK VALVE KITS

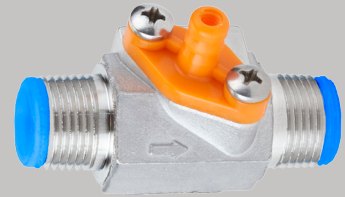


21.001	Single Barb Kit
21.002	Dual Barb Kit

Standard Injectors 3/8" X 3/8" NPT Connections

Color	Flow Orifice	Flow Rate @ 200 PSI	Single Barb	Dual Barb
Red	0.057	1.1 GPM	211.057	221.057
Orange	0.070	1.7 GPM	211.070	221.070
Grey	0.083	2.4 GPM	211.083	221.083
Blue	0.086	2.6 GPM	211.086	221.086
Light Green	0.098	3.4 GPM	211.098	221.098
Dark Green	0.125	5.3 GPM	211.125	221.125

ROCKET



SINGLE BARB



DUAL BARB

METERING TIP KITS

DEMA ENGINEERING COMPANY
100-15K METERING TIP KIT (100-15K) (100-15K)

PROPORTIONER MODEL	100-15K	100-15K	100-15K	100-15K	100-15K	100-15K
Flow Rate (GPM) @ 200 PSI	1.1	1.7	2.4	2.6	3.4	5.3
Metering Barb Color	Red	Orange	Gray	Blue	Light Green	Dark Green
Nozzle Size	0.057"	0.070"	0.083"	0.086"	0.098"	0.125"

100-15K

DEMA ENGINEERING COMPANY
100-15KU ULTRA LEAN METERING TIP KIT

PROPORTIONER MODEL	100-15KU	100-15KU	100-15KU	100-15KU	100-15KU	100-15KU
Flow Rate (GPM) @ 200 PSI	1.1	1.7	2.4	2.6	3.4	5.3
Metering Barb Color	Red	Orange	Gray	Blue	Light Green	Dark Green
Nozzle Size	0.057"	0.070"	0.083"	0.086"	0.098"	0.125"

100-15KU

DID YOU KNOW?

We have other flow rate data available as well!

Flow Rate (GPM) @ 200 PSI	1.1	1.7	2.4	2.6	3.4	5.3
Metering Barb Color	Red	Orange	Gray	Blue	Light Green	Dark Green
Nozzle Size	0.057"	0.070"	0.083"	0.086"	0.098"	0.125"
Copper	1:277	1:426	1:582	1:715	1:812	1:1441
Pumpkin	1:179	1:283	1:389	1:440	1:603	1:878
Burgundy	1:157	1:260	1:366	1:395	1:519	1:777
Lime	1:114	1:197	1:274	1:299	1:408	1:601
Tan	1:101	1:178	1:207	1:269	1:366	1:545
Orange	1:87	1:136	1:170	1:201	1:259	1:405
Turquoise	1:85	1:135	1:169	1:200	1:257	1:404
Pink	1:50	1:74	1:103	1:114	1:152	1:229
Lt. Blue	1:38	1:58	1:71	1:90	1:119	1:182
Brown	1:34	1:56	1:66	1:86	1:113	1:172
Red	1:28	1:42	1:60	1:64	1:87	1:132
White	1:24	1:37	1:56	1:58	1:76	1:114
Green	1:22	1:33	1:46	1:48	1:68	1:103
Blue	1:17	1:25	1:35	1:31	1:53	1:75
Yellow	1:11	1:17	1:23	1:24	1:33	1:51
Black	1:8.7	1:13	1:19	1:19	1:25	1:40
Purple	1:6.4	1:6.5	1:9	1:10	1:13	1:19
Gray	1:6.3	1:5.9	1:7.8	1:8	1:10	1:15
No Tip	1:6.1	1:5.1	1:6.4	1:6.5	1:7.4	1:9.5

NOTE: Dilution Ratios are based on 200 PSI inlet pressure and 90 PSI outlet pressure. Dilution Ratios are based on drawing water or water-thin product through the metering tip. Different viscosities and temperatures will affect the draw rates and lower the amount of fluid inducted increasing the overall dilution ratio making the injectors more lean.

Dual Metering Barb Information Available Upon Request

World Headquarters: **DEMA Engineering Company**
10020 Big Bend Blvd. • St. Louis, MO 63122 U.S.A. Tel: 1-800-325-3362 • Fax: 314-965-8319
Web site: www.demaeng.com • E-mail: sales@demaeng.com



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