

ROCKET



A SUPERIOR DESIGN

MOST EFFICIENT

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

BETTER PERFORMANCE

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

EFFORTLESS TO REPAIR

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

LOWER COST OF OWNERSHIP

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

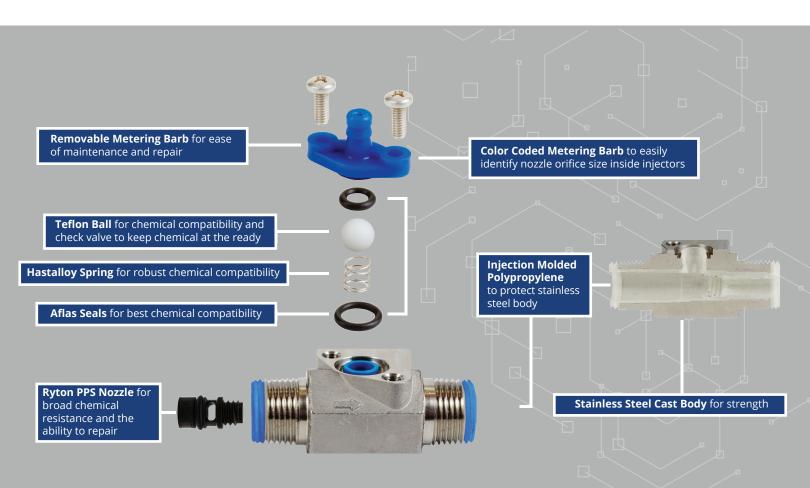
GREATEST RANGE

Rocket leads the industry by running a wide range of operating pressures and dilution ratios.

MOST VERSATILE

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

A LOOK INSIDE: WHAT MAKES THE ROCKET FLY?



QC ROCKET

The QC Rocket is the industry's first quick connect injector utilizing a standard quick connect fitting. The standard quick connect is available off the shelf from many different sources and makes your Rocket ready to fly faster than ever before. The QC Rocket still has the same features the industry has come to know and love. It still is the most efficient, most versatile, and only repairable injector out there. The Ryton nozzle is still removable with a 7/32" Allen wrench and the barb is still able to be taken off and cleaned out when necessary.



ROCKET XL

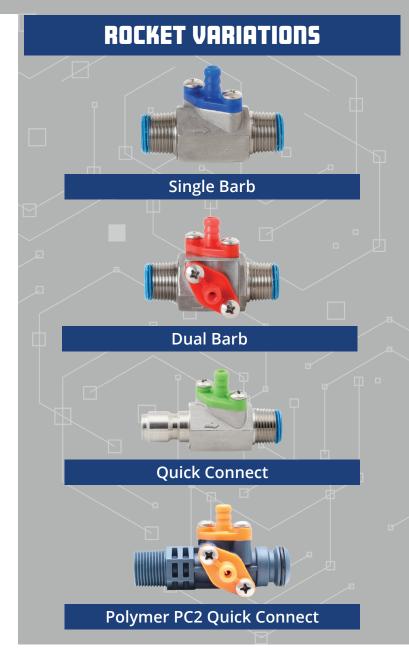
Rocket XL is designed for larger 1/2" NPT pipes with 1/4" or 3/8" metering barbs for a wide variety of different chemistries. Single and dual barbs are available as well.



LOW FLOW ROCKET

These low flow Rockets (1/4 GPM, 1/2 GPM, and 3/4 GPM) are perfect for low flow applications. They have a higher pressure drop to accomplish the vacuum pulled by the venturi. They still have all the great benefits of the rocket injectors that the industry has come to love.





POLYMER ROCKET

The Polymer Rockets are the latest addition to DEMA's Rocket product line, featuring a chemically resistant polymer body with the same internal geometry as the stainless-steel Rockets. Designed for versatility and ease of service, they include larger 11/16" wrench flats and offer multiple connection options, including 3/8" NPT, 1/2" male quick-connect, and the popular PC2 quick-connect fittings used throughout the car wash industry.







DESIGNING YOUR SYSTEM

CUSTOMIZATION FOR A CHEMICAL INJECTION SYSTEM IS AS SIMPLE AS 1,2,3! 2. CHEMICALS 1. COLORS 3. FLOW



We have many metering barb colors to match any requirement. Metering barbs can be customized at low minimums for existing colors.



We have a variety of seal materials to allow for the chemical compatibility needed to get long life out of the Rocket Injector.



With local manufacturing, we have the ability to customize Rocket injectors with short turnaround times.

STEP 1: HOW MANY CHEMICALS WILL YOU USE?*



464M3.16.3D



464M4.16.3D



464M5.16.3D

STEP 2: DO YOU NEED OUICK CONNECTS?*



.50 GPM Low Flow

QC ADAPTER 21.RQCC

☐ YES ☐ NO

* For stainless steel Rockets

STEP 3: WHAT FLOW RATE DO YOU NEED FOR YOUR CHEMICAL APPLICATION?

.25 GPM Low Flow



Polymer

☐ Single - 211P.029 Dual - 221P.029

☐ Single QC - 511P.029 ☐ Dual QC - 521P.029

PC2 QC - 411P.029

☐ PC2 QC - 421P.029

Stainless Steel

☐ Single - 211.029 Dual - 221.029

☐ Single QC - 311.029

Dual QC - 321.029

Polymer

☐ Single - 211P.040

Dual - 221P.040

☐ Single QC - 511P.040

☐ Dual QC - 521P.040

☐ PC2 QC - 411P.040

☐ PC2 QC Dual - 421P.040

Stainless Steel

Single - 211.040

Dual - 221.040

☐ Single QC - 311.040

☐ Dual QC - 321.040

Polymer

Single - 211P.051

Dual - 221P.051

Single QC - 511P.051

☐ Dual QC - 521P.051

PC2 QC - 411P.051

Stainless Steel

☐ Single - 211.051 Dual - 221.051

☐ Single QC - 311.051

Dual QC - 321.051

PC2 QC Dual - 421P.051

1.1 GPM Standard



Polymer

Single - 211P.057

Dual - 221P.057

☐ Single QC - 511P.057

☐ Dual QC - 521P.057

PC2 QC - 411P.057 ☐ PC2 QC Dual - 421P.057

Stainless Steel

☐ Single - 211.057

Dual - 221.057

☐ Single QC - 311.057

☐ Dual QC - 321.057

☐ PC2 QC Dual - 421P.070

1.7 GPM Standard



Polymer

Single - 211P.070

Dual - 221P.070

☐ Single QC - 511P.070

PC2 QC - 411P.070

☐ Dual QC - 521P.070



Stainless Steel

Single - 211.070

Dual - 221.070

☐ Single QC - 311.070

☐ Dual QC - 321.070

PC2 QC - 411P.086

☐ PC2 QC Dual - 421P.086



2.4 GPM Standard

.75 GPM Low Flow

Polymer

Single - 211P.083

Dual - 221P.083

☐ Single QC - 511P.083

☐ Dual QC - 521P.086

Stainless Steel

Single - 211.083

Dual - 221.083

☐ Single QC - 311.083

Dual QC - 321.083

2.6 GPM Standard



Polymer

- ☐ Single 211P.086 Dual - 221P.086
- ☐ Single QC 511P.086
- ☐ Dual QC 521P.086
- PC2 QC 411P.086 PC2 QC Dual - 421P.086

Stainless Steel

Stainless Steel

Single - 211.125

Dual - 221.125

☐ Dual QC - 321.125

Single QC - 311.125

- Single 211.086 Dual - 221.086
- Single QC 311.086
- ☐ Dual QC 321.086
- PC2 QC Dual 421P.098

3.4 GPM Standard



Stainless Steel

Single - 211.098

☐ Single QC -311.098

☐ Dual QC - 321.098

Dual - 221.098

Stainless Steel

☐ Single - 211.136

Dual - 221.136

☐ Single QC - 311.136

☐ Dual QC - 321.136

Polymer

- Single 211P.098 Dual - 221P.098
- ☐ Single QC 511P.098 ☐ Dual QC - 521P.09
- PC2 QC 411P.098

4.3 GPM Standard



Polymer

- Single 211P.116 Dual - 221P.116
- ☐ Single QC 511P.116
- ☐ Dual QC 521P.116
- ☐ PC2 QC 411P.116
- ☐ PC2 QC Dual 421P.116

Stainless Steel

- Single 211.116 Dual - 221.116
- ☐ Single QC 311.116 ☐ Dual QC - 321.116

5.3 GPM Standard



Polymer

- Single 211P.125
- Dual - 221P.125
- ☐ Single QC 511P.125 ☐ Dual QC - 521P.125
- PC2 QC 411P.125
- PC2 QC Dual 421P.125

6.1 GPM Standard



Polymer

- Single 211P.136
- Dual 221P.136
 - ☐ Single QC 511P.136
 - ☐ Dual QC 521P.136 ☐ PC2 QC - 411P.136
 - PC2 QC Dual 421P.136

8.7 GPM XL



Stainless Steel

- ☐ Single 1/4" Barb 211.161
- Dual 1/4" Barb 221.161
- Single 3/8" Barb 213.161
- Dual 3/8" Barb 223.161

10.6 GPM XL



Stainless Steel

- ☐ Single 1/4" Barb 211.177
- Dual 1/4" Barb 221.177 ☐ Single 3/8" Barb - 213.177
- Dual 3/8" Barb 223.177

11.4 GPM XL



Stainless Steel

- ☐ Single 1/4" Barb 211.185
- Dual 1/4" Barb 221.185
- ☐ Single 3/8" Barb 213.185
- Dual 3/8" Barb 223.185

14.2 GPM XL



Stainless Steel

- ☐ Single 1/4" Barb 211.206
- Dual 1/4" Barb 221.206
- ☐ Single 3/8" Barb 213.206
- Dual 3/8" Barb 223.206

STEP 4: HOW MANY OF YOUR CHEMICALS NEED AIR INJECTION?



- ☐ STANDARD BRASS 492M3.8.3D
- ☐ STAINLESS 492MSS3.8.3D
- ☐ STAINLESS METERING 492MSS3M.8.3D



- ☐ STANDARD BRASS 492M4.8.3D
- ☐ STAINLESS 492MSS4.8.3D
- ☐ STAINLESS METERING 492MSS4M.8.3D



- ☐ STANDARD BRASS 492M5.8.3D
- METERING BRASS 492M5M.8.3D
- ☐ STAINLESS 492MSS5.8.3D
- ☐ STAINLESS METERING 492MSS5M.8.3D

CUSTOMIZE

REPAIR KITS

Nozzle and Barb Kits for Single Barb Models*



Nozzle and Barb Kits for Dual Barb Models*



Check Valve Kits







21.001	Single Barb Kit
22.001	Dual Barb Kit



ACCESSORIES



Part # 21.002 (Shown with injectors installed) 3/8" NPT inlet by 3 3/8" NPT outlet



Part # 21.HQCA Part # 21.RQCC 3/8" FNPT 3/8" NPT x 3/8" Adapter FQC Fitting





Part # 100-15K - Metering Tip Kit 14 standard metering tips



Part# 61.9K - Metering Tip Kit 13 XL 3/8" metering tips



Part # S4B - Y Strainer 1/2" NPT for inlet to manifold to protect valves and injectors



Part # S3P - Y Strainer 3/8" NPT for inlet to injectors for designing chemical injection systems



Part # 100-15KU - Metering Tip Kit 4 ultra lean metering tips

ROCKET PART NUMBER GUIDE

		10.6 GPM	14.2 GPM									223.206	213.206
10.6 GPM Black	10.6 GPN		14.2 GPM									221.206	211.206
M 8.5 GPM Light Orange		S	11.4 GPM									223.185	213.185
PM 8.5 GPM Light Orange		PM	11.4 GPM			i						221.185	211.185
3PM 7.6 GPM Teal		5PM	10.6 GPM			50 Sizes	Not currently available in these sizes	t currently a	Z			223.177	213.177
GPM 7.6 GPM Teal		GPM	10.6 GPM									221.177	211.177
PM 6.4GPM Dark Grey		PM	8.7 GPM								_	223.161	213.161
iPM 6.4 GPM Dark Grey		PM	8.7 GPM									221.161	211.161
iPM 4.1 GPM Brown		PΜ	6.1 GPM	421P.136	411P.136	521P.136	511P.136	221P.136	211P.136	321.136	311.136	221.136	211.136
5.3 GPM 3.7 GPM Dark Green		GPM	5.3	421P.125	411P.125	521P.125	511P.125	221P.125	211P.125	321.125	311.125	221.125	211.125
4.3 GPM 3.2 GPM Purple		GPM	4.3	421P.116	411P.116	521P.116	511P.116	221P.116	211P.116	321.116	311.116	221.116	211.116
3.4 GPM 2.3 GPM Light Green		4 GPM	3.	421P.098	411P.098	521P.098	511P.098	221P.098	211P.098	321.098	311.098	221.098	211.098
2.6 GPM 1.75 GPM Blue		6 GPM	2	421P.086	411P.086	521P.086	511P.086	221P.086	211P.086	321.086	311.086	221.086	211.086
2.4 GPM 1.6 GPM Grey		.4 GPM	2	421P.083	411P.083	521P.083	511P.083	221P.083	211P.083	321.083	311.083	221.083	211.083
1.7 GPM 1.3 GPM Orange		7 GPM		421P.070	411P.070	521P.070	511P.070	221P.070	211P.070	321.070	311.070	221.070	211.070
1.1 GPM 0.80 GPM Red		1 GPM	1.	421P.057	411P.057	521P.057	511P.057	221P.057	211P.057	321.057	311.057	221.057	211.057
0.85 GPM 0.60 GPM Tan	$ldsymbol{ld}}}}}}$	85 GPM	0.	421P.051	411P.051	521P.051	511P.051	221P.051	211P.051	321.051	311.051	221.051	211.051
0.55 GPM 0.40 GPM Yellow		.55 GPM	0	421P.040	411P.040	521P.040	511P.040	221 P.040	211P.040	321.040	311.040	221.040	211.040
0.30 GPM 0.25 GPM White		30 GPM	0	421P.029	411P.029	521P.029	511P.029	221P.029	211P.029	321.029	311.029	221.029	211.029
Flow Rate Flow Rate Color @ 200 PSI @ 100 PSI		low Rate © 200 PSI	- T	Polymer PC2 QC Dual	Polymer PC2 QC	Polymer QC Dual	Polymer QC	Polymer Dual	Polymer	QC Dual	QC Rocket	Dual Barb	Single Barb

7

85 YEARS OF FLUID CONTROL AND DISPENSING INNOVATION

Founded in 1940, DEMA's roots are deeply entrenched in fluid control products. Then the company evolved with a customer's request to easily and accurately mix chemical with water over 69 years ago. We've grown a bit since then, our line of products now touch uniquely different markets such as car wash, food and beverage processing, housekeeping, commercial laundry and many others. You can find DEMA products across the globe and on all seven continents. We're experts in mixing and moving fluids from point A to point B, precisely, each and every time.



DEMA Global Headquarters

10020 Big Bend Road St. Louis, MO 63122 Phone: (314) 966-3533 Fax: (314) 965-8319 www.demaeng.com

email: sales@demaeng.com

DEMA South America Mobile: (5511) 98579-3477 email: omarpuras@uol.com.br

DEMA Mexico, Caribbean & Central America Mobile: 506 70146588 email: jorgee@demaeng.com DEMA Europe

Phone: 31-36-522-7006 email: sales@demaeurope.com

DEMA Asia

Mobile: 6012 476 7385

email: kevinlim@demaeng.com

DEMA Australia

Phone: 61-2-9525-5177 email: sales@demaust.com

LIKE, FOLLOW, AND SUBSCRIBE TO KEEP UP WITH DEMA ENGINEERING COMPANY









