

Product Bulletin 222

RheFlex® Fittings and ChromTRAC™ Color-Coding System



ChromTRAC Fitting Knobs

Part Number	Description
6000-283	ChromTRAC Fittings Identification Kit, 20/pkg

RheFlex One-Piece Fittings for Cone-Bottom Ports

Part Number	Description
6000-282	10-32, 1/16" RheFlex One-Piece Fingertight PEEK, 10/pkg *

RheFlex PEEK Fittings for Cone-Bottom Ports

Part Number	Description
6000-054	10-32, 1/16" RheFlex PEEK Fittings Set, 5/pkg *
6000-254	10-32, 1/16" RheFlex PEEK Fittings Set, 10/pkg *
6000-055	10-32, 1/16" RheFlex PEEK Short Fittings Set, 5/pkg
6000-255	10-32, 1/16" RheFlex PEEK Short Fittings Set, 10/pkg
6000-066	10-32, 1/16" RheFlex PEEK Extra Long Fittings Set, 1/pkg *
6000-051	1/16" RheFlex PEEK Ferrules, 5/pkg
6000-251	1/16" RheFlex PEEK Ferrules, 10/pkg

RheFlex Twist-Free (TF) Fittings for Flat-Bottom Ports

Part Number	Description
6000-274	1/4-28, 1/8" RheFlex TF Fittings Set, 10/pkg *
6000-275	1/8" RheFlex TF Ferrules, 10/pkg
6000-276	1/4-28, 1/16" RheFlex TF, 10/pkg *
6000-277	1/16" RheFlex TF Ferrules, 10/pkg

RheFlex Flangeless Fittings for Flat-Bottom Ports

Part Number	Description
6000-278	1/4-28, 1/8" RheFlex Flangeless, 10/pkg *
6000-279	1/8" RheFlex Flangeless Ferrules, 10/pkg
6000-280	1/4-28, 1/16" RheFlex Flangeless, 10/pkg *
6000-281	1/16" RheFlex Flangeless Ferrules, 10/pkg

5/16-24, 1/8" RheFlex Fittings for Cone-Bottom Ports

Part Number	Description
6000-082	5/16-24, 1/8" RheFlex SST Fittings Set, 1/pkg
6000-083	1/8" RheFlex SST Ferrule, 5/pkg
6000-078	5/16-24, 1/8" RheFlex PEEK Fittings Set, 1/pkg
6000-079	1/8" RheFlex PEEK Ferrules, 5/pkg
6000-076	5/16-24 Male to 10-32 Female Adapter PEEK, 1/pkg

RheFlex Stainless Steel Fittings for Cone-Bottom Ports

Part Number	Description
6000-109	10-32, 1/16" RheFlex SST Fittings Set, 5/pkg
6000-209	10-32, 1/16" RheFlex SST Fittings Set, 10/pkg
6000-111	10-32, 1/16" RheFlex SST Long Fittings Set, 5/pkg
6000-211	10-32, 1/16" RheFlex SST Long Fittings Set, 10/pkg
6000-162	10-32, 1/16" RheFlex SST Extra Long Fittings Set, 5/pkg
6000-262	10-32, 1/16" RheFlex SST Extra Long Fittings Set, 10/pkg
6000-110	1/16" RheFlex SST Ferrule, 5/pkg
6000-210	1/16" RheFlex SST Ferrule, 10/pkg
8125-084	0.5 mm (0.02") RheFlex SST Ferrule, 1/pkg (for Model 8125 only)

Polymer Tubing [3m (10ft.)]

Part Number	Description	OD/ID
9055-001	PEEK Tubing	1/16" / 0.007"
9055-002	PEEK Tubing	1/16" / 0.010"
9055-003	PEEK Tubing	1/16" / 0.020"
9055-004	PEEK Tubing	1/16" / 0.030"
3055-010	PEEK Tubing	1/8" / 0.062"
3055-011	PEEK Tubing	1/8" / 0.080"
6000-064	PTFE Teflon Tubing	1/16" / 0.034"
6000-065	PTFE Teflon Tubing	1/8" / 0.062"

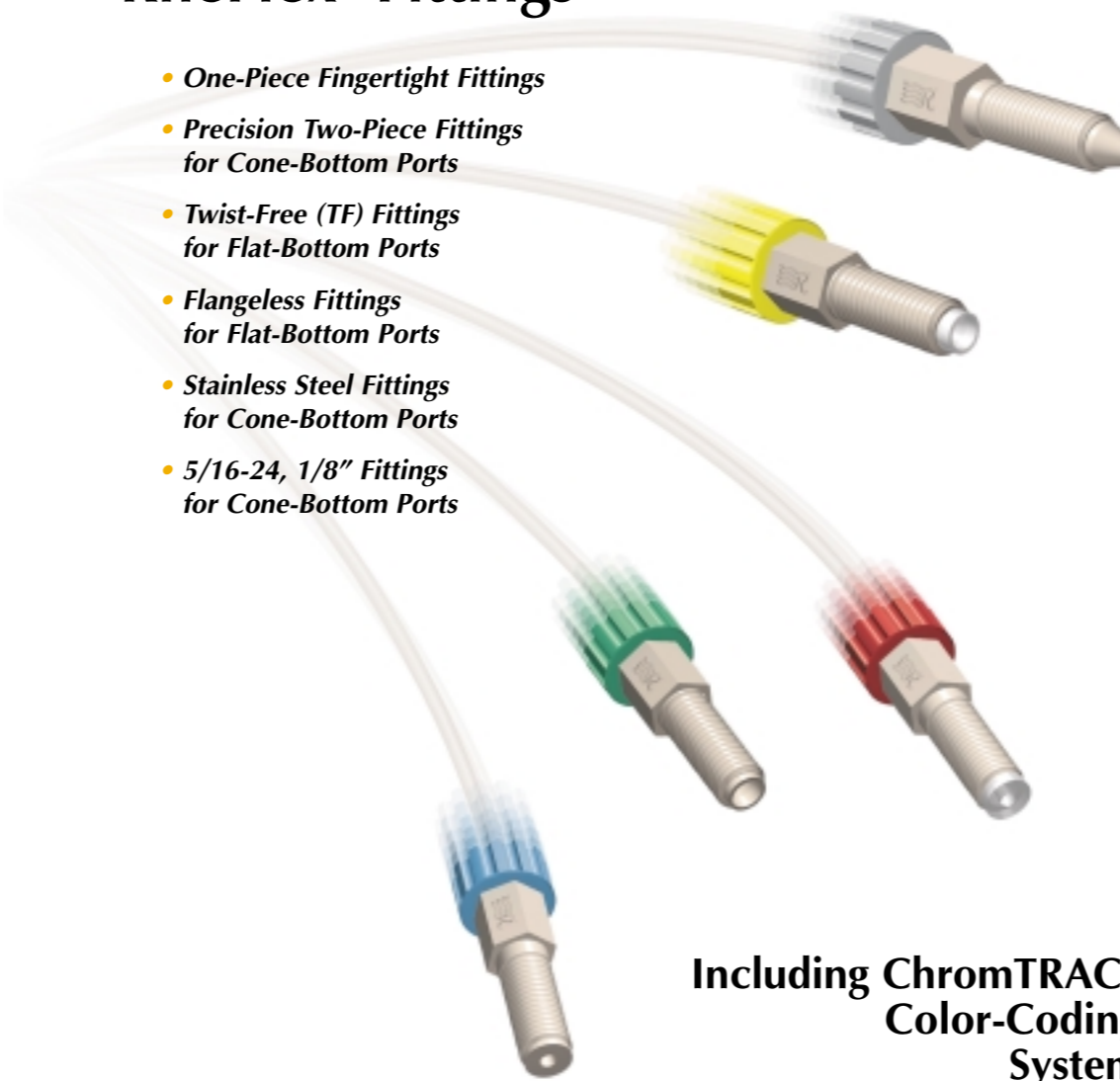
RheFlex Fittings Accessories

Part Number	Description
6000-090	10-32 RheFlex PEEK Plugs, 5/pkg
6510	1/4-28 Coupling, 5/pkg
6518	1/4-28 Plug, 5/pkg
6019	1/4-28 Male to Female Luer Adapter, 1/pkg
6000-076	5/16-24 Male to 10-32 Female Adapter PEEK, 1/pkg
6810	Rheodyne Wrench

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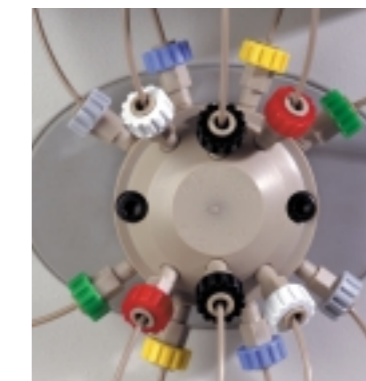
RheFlex® Fittings

- One-Piece Fingertight Fittings
- Precision Two-Piece Fittings for Cone-Bottom Ports
- Twist-Free (TF) Fittings for Flat-Bottom Ports
- Flangeless Fittings for Flat-Bottom Ports
- Stainless Steel Fittings for Cone-Bottom Ports
- 5/16-24, 1/8" Fittings for Cone-Bottom Ports



ChromTRAC™ Color-Coding System for Fluid Connections

You'll never again ask... "Now where does this tube go?"



Rheodyne's innovative ChromTRAC knobs offer a unique color-coding system for your simple-to-complex fluid connections. Seven ChromTRAC colors clearly identify tubing lines and visually distinguish different components in the same system.

ChromTRAC knobs snap directly on RheFlex nuts to make fingertightening easy. The bright colors remain outside the fluid stream and avoid contacting the sample.

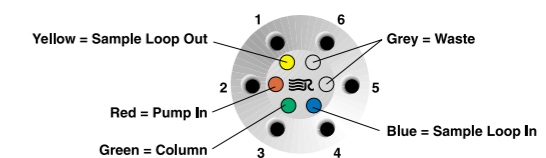
ChromTRAC colored knobs fasten to all RheFlex PEEK fittings for 10-32 and 1/4-28 threaded ports.

Clear, Colorful Plumbing

- Brightly colored knobs code fluid connections
- Easily track inlets and outlets of valves, columns, and detectors
- Dyed colors stay out of fluid stream
- Wide selection of colors

Code	Color	Code	Color
BL	Blue	GN	Green
GY	Grey	RD	Red
WH	White	YL	Yellow
MC	Multi-color (for 10/pkg only)		

Add these two letter suffixes to the end of the seven-digit part numbers of the fittings listed with *.



Typical 2-Position, 6-Port plumbing connections color-coded using ChromTRAC.



* ChromTRAC compatible. Specify the two letter suffix (see ChromTRAC Suffix Codes on page 2) after the fitting's seven-digit part number for the ChromTRAC knob color of your choice. No suffix indicates black knobs.

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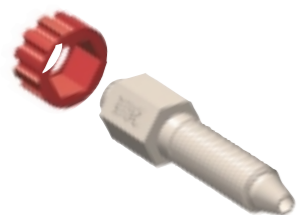
Including ChromTRAC™ Color-Coding System

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RheFlex[®] Stainless Steel and PEEK Fittings

Rheodyne RheFlex fittings are designed for dependability and manufactured for longevity. Who else would better know fittings than the people who make the valves? Only Rheodyne! The RheFlex family of fittings includes Rheodyne's classic array of stainless steel nuts and ferrules plus the half-dozen RheFlex PEEK fittings shown here. And, Rheodyne RheFlex fittings are available with ChromTRAC for easy, visual identification of fluid paths.

One-Piece Fingertight



- Eliminates separate ferrules
- Convenient One-Piece connections
- Intelligence of ChromTRAC

RheFlex One-Piece Fingertight fittings now make valve plumbing easier and faster by eliminating the need for separate nuts and ferrules. Combine durable one-piece PEEK fittings with the ChromTRAC color-coding system and spend the time you save searching for results instead of ferrules.

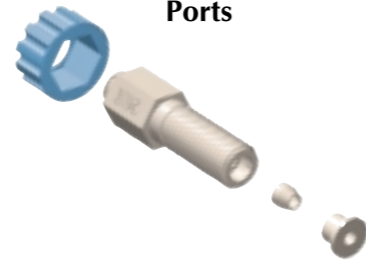
Precision Two-Piece



- Reliable, time-tested design
- Economy of a replaceable ferrule

The innovative ferrule design in the RheFlex Precision Two-Piece fitting has provided dependable high-pressure connections since its introduction. As a two-piece fittings set, Rheodyne PEEK ferrules can be easily replaced and do not permanently swage to tubing. Reusable nuts are available in three lengths and the full range of ChromTRAC colors to simplify all applications.

Twist-Free (TF) Fittings for Flat-Bottom Ports



- Tubing stays twist-free during connection
- Convenient snap-together design
- Fittings remain on the tubing during disconnection

As it's name promises, RheFlex TF fittings keep tubing "twist free" as you make fluid connections. This means both tubing and fittings remain firmly connected inside the ports. RheFlex 1/8" and 1/16" TF fittings are designed for clear, simple flat-bottom port connections.



The 1/8" TF fitting has its compression ring preinstalled in the proper orientation so you save time plumbing the valve. The unique 1/16" TF fitting uses an all PEEK design where the parts snap together and function as a one-piece flat-bottom fitting. With higher pressure capability than a standard flangeless fitting and ChromTRAC compatibility, RheFlex TF fittings provide an ideal solution for a variety of applications.

Flangeless Fittings for Flat-Bottom Ports



- Economical low pressure design
 - Eliminates tube flanging
- RheFlex Flangeless fittings are economical, convenient replacements for flanged tube connections. Ideal for applications using manifolds and valve banks, RheFlex Flangeless fittings coupled with ChromTRAC color-coding, now make connections in a complex system simple-to-install, and easy-to-identify.



Stainless Steel Fittings for Cone-Bottom Ports



RheFlex 316 Stainless Steel fittings sets are high pressure connections for instrumentation. RheFlex stainless steel fittings provide a permanent swage onto tubing. Swaged fittings can be disconnected and reconnected

cavity-free when replaced in the same port. Fittings sets must be wrench-tightened while colorful ChromTRAC knobs easily fit over stainless steel nuts for visual flow path identification. Each 1/16" fittings set contains a 10-32 threaded nut and ferrule. Reusable nuts are available in three lengths for easy installation.

RheFlex Preparative Fittings

High Pressure Preparative Connections

Rheodyne offers RheFlex Preparative fittings for 5/16-24 cone-bottom ports and 1/8" OD tubing. Available in stainless steel and PEEK, these preparative fittings are wrench-tightened to make high pressure connections.

ACCESSORIES

Visit www.rheodyne.com for a complete list of Rheodyne accessories.

Pressure Ratings of RheFlex Fittings

RheFlex Fitting	Wrench-Tighten MPa (bar, psi)	Fingertighten MPa (bar, psi)
One-Piece Fingertight	N/A	34 (345, 5000)
PEEK for Cone-Bottom Ports	48 (483, 7000)	N/A
Stainless Steel for Cone-Bottom Ports	68 (690, 10,000)	N/A
1/16" Twist-Free for Flat-Bottom Ports	48 (483, 7000) with PEEK tubing	6.8 (68, 1000) with PTFE tubing
1/8" Twist-Free for Flat-Bottom Ports	28 (276, 4000) with PEEK tubing	5.1 (51, 750) with PTFE tubing
1/16" Flangeless for Flat-Bottom Ports	21 (207, 3000) with PEEK tubing	4.7 (47.6, 700) with PTFE tubing
1/8" Flangeless for Flat-Bottom Ports	5.4 (54.4, 800) with PEEK tubing	3.4 (34, 500) with PTFE tubing