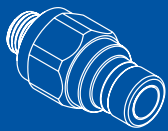
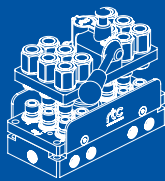




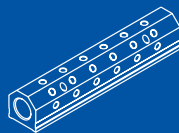
PRODUCT OVERVIEW.



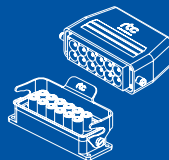
Mono-Couplings.



Multi-Couplings.



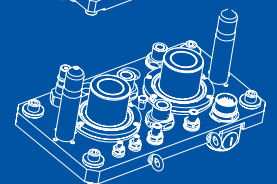
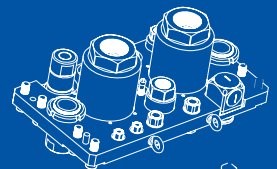
Manifolds.



Mini-Con.



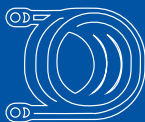
Electrical-Connectors.



Customized Solutions.



Accessories.



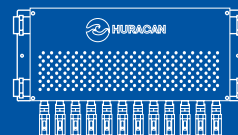
Hoses.



Mold Cleaner.



Flow Regulators.



Huracan.



Water



Pneumatic



Hydraulic



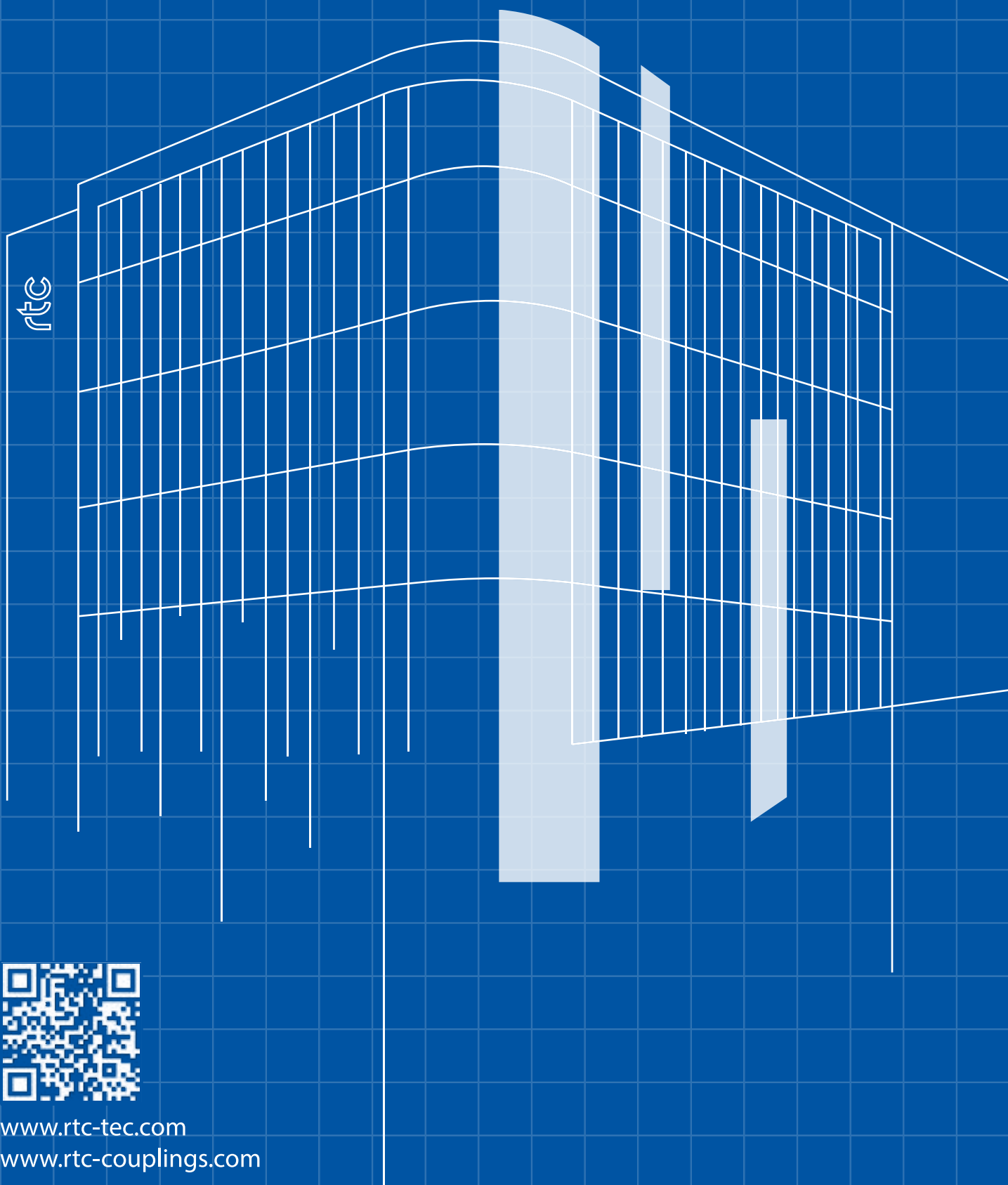
Chemical



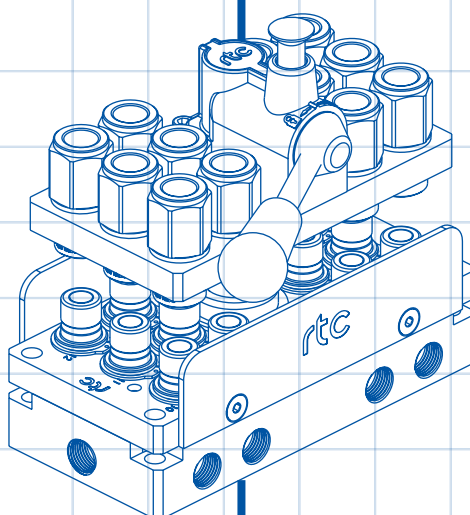
Electrical



Accessories



WHO WE ARE.



WER WIR SIND.

rtc Coupling Technology

Reliable - Innovative - Passionate

Coupling system is our passion.

rtc Couplings is specialised in designing, developing and manufacturing quick release couplings for a breadth of industries.

rtc stands out as a leading brand in the quick couplings sector, boasting extensive market presence and global recognition. Our purpose is to advance any industrial process to cost efficient, safe and sustainable operation.

rtc delivers coupling, multicoupling and docking systems for water, pneumatic, hydraulic, chemical and electrical connections. We offer a complete range of more than 15,000 different products.

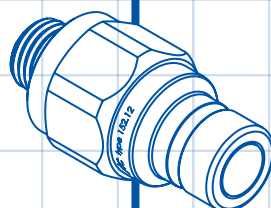
rtc couplings are produced based on highest safety standards with many own designed and compatible profiles to common manufacturers in all industries.

We have a direct line to our clients and a firsthand understanding of what they really need. In order to ensure a continuous process of improvement, we are developing new products together with our clients by analyzing all their inquiries and requirements.

Right now, we are exporting almost 95% of our products to more than 60 countries in 6 different continents backed by our sales offices, partners and technical support teams. We are proud of being your choice for intelligent and sustainable quick coupling solutions.

We are ready for any challenges!

WE ARE **rtc!**



rtc Coupling Technology

Zuverlässig - Innovativ - Leidenschaftlich

Kupplungssysteme sind unsere Leidenschaft.

rtc Couplings ist auf die Entwicklung, Konstruktion und die Herstellung von Schnellverschlusskupplungen für zahlreiche Branchen spezialisiert. **rtc** ist eine führende Marke im Bereich der Schnellverschlusskupplungen und verfügt über umfassende Marktpresenz und weltweite Anerkennung. Unser Ziel ist es, jeden industriellen Prozess so zu optimieren, dass er kosteneffizient, sicher und nachhaltig funktioniert.

rtc liefert Ihnen alle Kupplungs-, Multikupplungs- und Verbindungssysteme für Wasser-, Pneumatik-, Hydraulik-, Chemie- und für Elektronikanwendungen. Wir bieten Ihnen ein komplettes Sortiment mit über 15.000 verschiedenen Artikeln.

Die Produkte von **rtc** werden auf Basis höchster Sicherheitsstandards hergestellt. Bei uns können Sie wählen, zwischen unseren selbst entwickelten Kupplungsprofilen oder den gängigen Profilen und deren Kompatibilität zu den jeweiligen Herstellern aus allen Industriezweigen.

Wir haben einen direkten Draht zu unseren Kunden und wissen aus erster Hand, was Sie wirklich brauchen. Um einen kontinuierlichen Verbesserungsprozess zu gewährleisten, entwickeln wir gemeinsam mit unseren Kunden neue Produkte, indem wir alle Ihre Anfragen und Anforderungen analysieren.

Derzeit exportieren wir ca. 95 % unserer Produkte in über 60 Länder auf 6 verschiedenen Kontinenten, unterstützt durch unsere Vertriebsbüros, Partner und technischen Supportteams. Wir sind stolz darauf, Ihre Wahl für intelligente und nachhaltige Schnellkupplungslösungen zu sein.

Wir sind für jede Herausforderung bereit!

WIR SIND **rtc!**

rtc TYPE 090 European Profile

Water

PATENTED DESIGN with AUTOMATIC
Safety Locking Sleeve



DN 6 mm - 9 mm - 13 mm

16 bar - 232 PSI

FPM (V) -10°C +180°C (+14°F +356°F)
EPDM (E) -40°C +150°C (-40°F +302°F)
High Temp (HT) -20°C +230°C (-4°F +446°F)

- Standard version**
Brass
Seals FPM (V)
Option
- Stainless Steel
- Patented Automatic Safety
Release Sleeve
- Colour coding (Red, Blue, ...)

rtc TYPE 099 International Profile

Water

SAFETY TYPE
FOR DISCONNECT
PROTECTION



dn 6 mm - 9 mm - 15 mm

16 bar - 232 PSI

FPM (V) -10°C +180°C (+14°F +356°F)
Silicone (SN) -40°C +175°C (-40°F +347°F)

- Standard version**
Brass
Seals FPM (V)
Option
- Stainless Steel
- Safety lock
- Colour coding (Red, Blue, ...)

rtc TYPE 100 French Profile

Water

SAFETY TYPE
FOR DISCONNECT
PROTECTION



dn 6 mm - 8 mm - 12 mm

10 bar - 145 PSI

NBR (N) -20°C +100°C (-4°F +212°F)
FPM (V) -10°C +180°C (+14°F +356°F)
High Temp (HT) -20°C +230°C (-4°F +446°F)

- Standard version**
Brass Nickel Plated
Seals NBR (N)
Option
- Safety Sleeve
- Colour coding (Red, Blue)

rtc TYPE 101

Water



dn 6 mm - 9 mm - 10 mm - 12 mm
16 mm - 20 mm - 25 mm - 32 mm
37 mm - 38 mm

16 bar - 232 PSI

NBR (N) -20°C +100°C (-4°F +212°F)
FPM (V) -10°C +180°C (+14°F +356°F)
EPDM (E) -40°C +150°C (-40°F +302°F)
High Temp (HT) -20°C +230°C (-4°F +446°F)

- Standard version**
Stainless Steel and Brass
Seals FPM (V)
Option
- Stainless Steel
- Colour coding (Red, Blue)
- Safety Sleeve
- Dust Cap



3 mm - 6 mm - **7 mm** - **8 mm**
9 mm - 12 mm - 16 mm - 25 mm



50 bar - 725 PSI



NBR (N) -20°C +100°C (-4°F +212°F)
FPM (V) -10°C +180°C (+14°F +356°F)
FFKM (W) 0°C +250°C (+32°F +482°F)
EPDM (E) -40°C +150°C (-40°F +302°F)



Standard version
Stainless Steel and Brass
Seals FPM (V)
Advantages
Flat Faced Non-Spill
One Hand Push & Pull Connection
Option
- Stainless Steel
- Colour coding

Water

rtc TYPE 102
Flatface for Blow Moulding



*New Design / *Neues Design



4 mm - 6 mm - 10 mm - 13 mm - 19 mm
25 mm - 32 mm - 38 mm



85 - 360 bar (1.250 - 5.200 PSI) - Brass
140 - 520 bar (2.000 - 7.500 PSI) - Steel
120 - 465 bar (1.750 - 6.700 PSI) - Stainless Steel



NBR (N) -20°C +100°C (-4°F +212°F)
FPM (V) -10°C +180°C (+14°F +356°F)
EPDM (E) -40°C +150°C (-40°F +302°F)



Standard version
Brass
Seals NBR (N)
Advantages
Full flow
Option
- Stainless Steel
- Steel Zinc Plated
- Colour coding



Compatible Parker ST

Water

Pneumatic

Hydraulic

rtc TYPE 045
Full Flow



4 mm - 8 mm - 10 mm - 13 mm - 16 mm
19 mm - 32 mm - 38 mm - 50 mm



50 - 210 bar (725 - 3.045 PSI) - Brass
100 - 300 bar (1.450 - 4.350 PSI) - Stainless Steel



NBR (N) -20°C +100°C (-4°F +212°F)
FPM (V) -10°C +180°C (+14°F +356°F)



Standard version
Brass
Seals NBR (N)
Option
- Stainless Steel



Compatible
ISO 7241-1 Serie B

Water

Pneumatic

Hydraulic

rtc TYPE 070
ISO 7241-1 SERIE B



3 mm - 6 mm - 8 mm - 10 mm - 12 mm
13 mm - 16 mm - 20 mm - 25 mm - 32 mm
38 mm - 50 mm



16 bar - 60 bar (232 PSI - 870 PSI)



FPM (V) -10°C +180°C (+14°F +356°F)
EPDM (E) -40°C +150°C (-40°F +302°F)
High Temp (HT) -20°C +230°C (-4°F +446°F)
FFKM (W) 0°C +250°C (+32°F +482°F)



Standard version
Stainless Steel and Brass
Seals FPM (V)
Advantages
Flat Faced Non-Spill
High Flow Rate Valve Design
Option
- Full Stainless Steel
- Aluminium
- Panel Mounting
- Colour coding (Red, Blue)

Water

Pneumatic



rtc TYPE 152
Flatface Non-Spill
RTC Profile



rtc TYPE 105 Dripless Valve

Water



9 mm - 12 mm - 16 mm - 20 mm - 25 mm



16 bar - 232 PSI



NBR (N) -20°C +100°C (-4°F +212°F)
FPM (V) -10°C +180°C (+14°F +356°F)
EPDM (E) -40°C +150°C (-40°F +302°F)
FFKM (W) 0°C +250°C (+32°F +482°F)
FMQ (FSN) -50°C +175°C (-58°F +347°F)



Standard version

Brass Chrome Plated & Stainless Steel
Seals FPM (V)

Advantage

Suitable for outdoor applications

Option

- Colour coding



rtc TYPE 106 Full Flow & Valved

Water

New Design
with Valve



19 mm - 25 mm - 33 mm - 42 mm
50 mm - 63 mm - 110 mm



10 bar - 145 PSI



NBR (N) -20°C +100°C (-4°F +212°F)
FPM (V) -10°C +180°C (+14°F +356°F)
EPDM (E) -40°C +150°C (-40°F +302°F)



Standard version

Brass Chrome Plated & Stainless Steel
Seals NBR (N)

Option

- Safety Sleeve

- Colour coding

- Double Shut-off (Valved Design)



*New Flow Sizes / *Neues Durchflussgröße

rtc TYPE 162 High Flow - One Hand Connection RTC Profile

Water

High
Flow Rate



New
Design



16 mm - 20 mm - 25 mm - 32 mm
38 mm - 50 mm



16 bar - 60 bar (232 PSI - 870 PSI)



NBR (N) -20°C +100°C (-4°F +212°F)
FPM (V) -10°C +180°C (+14°F +356°F)
EPDM (E) -40°C +150°C (-40°F +302°F)
FFKM (W) 0°C +250°C (+32°F +482°F)



Standard version

Stainless Steel and Brass
Seals FPM (V)

Advantages

Flat Faced Non-Spill

Compact Design

High Flow Rate Valve Design

Option

- Full Stainless Steel

- Aluminium

- Colour coding

- Panel mounting



rtc TYPE 131 Light Weight

Water



5 mm - 8 mm - 10 mm - 12 mm
17 mm - 20 mm - 25 mm



16 - 40 bar (232 - 580 PSI) - -40°C +150°C
5 - 13 bar (73 - 190 PSI) - +150°C +200°C



NBR (N) -20°C +100°C (-4°F +212°F)
FPM (V) -10°C +180°C (+14°F +356°F)
EPDM (E) -40°C +150°C (-40°F +302°F)
FMQ (FSN) -50°C +175°C (-58°F +347°F)



Standard version

Aluminium
Seals NBR (N)

Advantages

Flat Faced Non-Spill

High Flow Rate Valve Design

Option

- Colour coding





dn 8 mm

20 bar - 290 PSI

NBR (N) -20°C +100°C (-4°F +212°F)
FPM (V) -10°C +180°C (+14°F +356°F)
FFKM (W) 0°C +250°C (+32°F +482°F)

Standard version
Stainless Steel and Brass
Seals FPM (V)
Advantage
Robotic Applications
Mould cooling
Blow moulding
Docking System

Compatible
Hasco Z 809
Hasco Z 819

Water

rtc TYPE 093



dn 6 mm - 8 mm - 12 mm

16 - 20 bar (232 - 290 PSI) - Brass
100 bar (1450 PSI) - Stainless Steel

NBR (N) -20°C +100°C (-4°F +212°F)
FPM (V) -10°C +180°C (+14°F +356°F)

Standard version
097 - Stainless Steel & Brass
098 - Brass
Seals FPM (V)
Advantage
Compact design suitable for
Robotic Applications
Option
- Aluminium
- Stainless Steel

Water

Pneumatic

rtc TYPE 097
For Robotic Connection



Water

Pneumatic

rtc TYPE 098
For Robotic Connection



dn 6 mm - 8 mm - 11 mm - 19 mm - 25 mm

16 - 50 bar (232 - 725 PSI) - Standard
300 - 450 bar (4350 - 6.500 PSI) - Stainless Steel

NBR (N) -20°C +100°C (-4°F +212°F)
FPM (V) -10°C +180°C (+14°F +356°F)

Standard version
Stainless Steel and Steel
Seals FPM (V)
Advantage
For automatic multi-connections
Docking system
One steam line
Option
- Brass Nickel Plated

Compatible
Cejn 925

Water

Hydraulic

rtc TYPE 155
Flatface for docking systems



dn 3 mm - 6 mm - 8 mm - 11 mm - 16 mm - 19 mm

16 - 50 bar (232 - 725 PSI) - Standard
300 - 450 bar (4.350 - 6.500 PSI) - Stainless Steel

NBR (N) -20°C +100°C (-4°F +212°F)
FPM (V) -10°C +180°C (+14°F +356°F)
EPDM (E) -40°C +150°C (-40°F +302°F)
FFKM (W) 0°C +250°C (+32°F +482°F)
FMQ (FSN) -50°C +175°C (- 58°F +347°F)

Standard version
Stainless Steel and Steel
Seals NBR (N)
Advantage
For automatic multi-connections
Docking system
One steam line
Option
- Full Stainless Steel

Water

Pneumatic

Hydraulic

rtc TYPE 173
For Multi plates



rtc TYPE 103 Flatface & Under Pressure Connection

Hydraulic



*New Design / *Neues Design



6 mm	800 - 11.600
7 mm	500 - 7.250
8 mm	450 - 6.525
11 mm	450 - 6.525
12 mm	400 - 5.800
16 mm	400 - 5.800
19 mm	400 - 5.800
25 mm	350 - 5.075
33 mm	350 - 5.075



bar PSI



Standard version
Stainless Steel and Steel
Seals FPM (V)
Option
- Colour coding (Red, Blue)
- Residual Pressure Release
valve for Connecting Under Pres-
sure (**150 bar**)
- Dust Cap
- Panel Mounting



NBR (N) -20°C +100°C (-4°F +212°F)
FPM (V) -10°C +180°C (+14°F +356°F)



rtc TYPE 124 Flatface & Under Pressure Connection

Hydraulic



6 mm	450 - 6.525
8 mm	450 - 6.525
9 mm	350 - 5.075
12 mm	350 - 5.075
16 mm	350 - 5.075



bar PSI



Standard version
Stainless Steel and Steel
Seals FPM (V)
Option
- Colour coding (Red, Blue)
- Residual Pressure Release
valve for Connecting Under Pres-
sure (**150 bar**)
- Dust Cap
- Panel Mounting



NBR (N) -20°C +100°C (-4°F +212°F)
FPM (V) -10°C +180°C (+14°F +356°F)



rtc TYPE 170 ISO 6150-C

Water Pneumatic Hydraulic



*New Design / *Neues Design



3 mm - 6 mm - **7 mm** - 8 mm - 9 mm
10 mm 11 mm - **12 mm** - 13 mm
14 mm - **16 mm** - 19 mm



50 - 210 bar (725 - 3.045 PSI) - Standard Version
300 - 450 bar (4.350 - 6.525 PSI) - High Pressure



NBR (N) -20°C +100°C (-4°F +212°F)
FPM (V) -10°C +180°C (+14°F +356°F)
EPDM (E) -40°C +150°C (-40°F +302°F)
FFKM (W) 0°C +250°C (+32°F +482°F)
FMQ (FSN) -50°C +175°C (- 58°F +347°F)



Standard version
Stainless Steel and Steel
Seals NBR (N)
Option
- Safety lock
- Vacuum
- Dust Cap Fixing Ring
- Dust Cap
- Raised Button
- Safety Button
- Colour Coding
- Stainless Steel (Full)



Compatible
ISO 6150-C



rtc TYPE 108

Hydraulic



*New Design / *Neues Design



3 mm	250 - 3625
6 mm	180 - 3625
7 mm	180 - 3625
9 mm	180 - 3625
12 mm	180 - 3625
16 mm	180 - 3625



bar PSI



Standard version
Stainless Steel
Seals FPM (V)
Advantages
Flat Faced Non-Spill
One Hand Push & Pull Connection
Option
- Colour coding
- Two hand connection
- Residual Pressure Release valve
for Connecting Under Pressure
(**150 bar**)



NBR (N) -20°C +100°C (-4°F +212°F)
FPM (V) -10°C +180°C (+14°F +356°F)
EPDM (E) -40°C +150°C (-40°F +302°F)
FFKM (W) 0°C +250°C (+32°F +482°F)
FMQ (FSN) -50°C +175°C (- 58°F +347°F)





dn

5 mm
6 mm
10 mm
12 mm
16 mm
19 mm
25 mm
37 mm

bar PSI

400 - 5800
400 - 5800
375 - 5450
350 - 5075
350 - 5075
300 - 4350
250 - 3625
200 - 2900

i

Standard version
Steel with Black Oxide Plating
Seal NBR (N)
Option
- Colour coding (Red, Blue)
- Panel Mounting

Compatible

ISO 16028



NBR (N) -20°C +100°C (-4°F +212°F)
FPM (V) -10°C +180°C (+14°F +356°F)

Hydraulic

Safety Sleeve

rtc TYPE 072
ISO 16028



dn

4 mm
6 mm
8 mm
10 mm
12 mm
15 mm
20 mm
25 mm
32 mm
37 mm
50 mm
75 mm
100 mm

Standard

bar PSI
160 - 2320
160 - 2320
160 - 2320
160 - 2320
160 - 2320
160 - 2320
160 - 2320
100 - 1450
16 - 232
16 - 232
10 - 145
10 - 145

High Pressure

bar PSI
500 - 7.250
500 - 7.250
500 - 7.250
250 - 3.625
250 - 3.625
250 - 3.625
250 - 3.625
250 - 3.625

i

Standard version
Stainless Steel
Seal FPM (V)
Option
- High Pressure Stainless Steel



NBR (N) -20°C +100°C (-4°F +212°F)
FPM (V) -10°C +180°C (+14°F +356°F)
EPDM (E) -40°C +150°C (-40°F +302°F)

Hydraulic

rtc TYPE 104
Flatface for docking systems



dn

3 mm
5 mm
8 mm
12 mm
20 mm
28 mm

bar PSI

450 - 3625
300 - 3625
250 - 3625
160 - 3625
160 - 3625
160 - 3625

i

Standard
Stainless Steel
Seal FPM (V)



NBR (N) -20°C +100°C (-4°F +212°F)
FPM (V) -10°C +180°C (+14°F +356°F)
EPDM (E) -40°C +150°C (-40°F +302°F)

Hydraulic

rtc TYPE 115
Flatface for docking systems



dn

8 mm
12 mm
16 mm
20 mm
25 mm
33 mm

bar PSI

500 - 7250
500 - 7250
500 - 7250
500 - 7250
500 - 7250
350 - 5075

i

Standard version
Stainless Steel and Steel
Seal FPM (V)
Option
- Dust Cap
- Panel Mounting
- Hand Wheel



NBR (N) -20°C +100°C (-4°F +212°F)
FPM (V) -10°C +180°C (+14°F +356°F)
FFKM (W) 0°C +250°C (+32°F +482°F)



Hydraulic

rtc TYPE 126
Heavy Vibration Applications



rtc TYPE 200 Low Pressure

Water Pneumatic Hydraulic



dn 3 mm - 4 mm - 6 mm - 7 mm - 9 mm - 12 mm
19 mm - 32 mm - 50 mm

20-200 bar (290 - 2.900 PSI) - Brass
20-200 bar (290 - 2.900 PSI) - Stainless Steel
30-100 bar (435 - 1.450 PSI) - Steel

NBR (N) -20°C +100°C (-4°F +212°F)
FPM (V) -10°C +180°C (+14°F +356°F)

i Standard version
Brass
Seal NBR (N)
Option
- Brass Nickel Plating
- Steel Zinc Plating
- Stainless Steel

Compatible
Walther LP Type
Walther SP Type

rtc TYPE 201 Medium Pressure

Hydraulic



dn 6 mm - 7 mm - 12 mm - 19 mm - 25 mm
32 mm - 50 mm

30-40 bar (435 - 580 PSI) - Brass
30-100 bar (435 - 1450 PSI) - Stainless Steel
100-250 bar (1.450 - 3.635 PSI) - Steel

NBR (N) -20°C +100°C (-4°F +212°F)
FPM (V) -10°C +180°C (+14°F +356°F)

i Standard version
Steel Zinc Plated
Seal NBR (N)
Option
- Brass Nickel Plating
- Stainless Steel
- Chromium Plating

Compatible
Walther MD Type

rtc TYPE 202 High Pressure

Hydraulic

High
Pressure



dn 4 mm - 6 mm - 10 mm - 16 mm
20 mm - 32 mm - 50 mm

200 - 2.000 bar (2.900 - 2.9000 PSI) - Steel
180 - 500 bar (2.610 - 7.250 PSI) - Stainless Steel
250 - 1.000 bar (3625 - 14.500 PSI) - High Pressure SS

NBR (N) -20°C +100°C (-4°F +212°F)
FPM (V) -10°C +180°C (+14°F +356°F)

i Standard version
Steel oil burnished
Seal NBR (N)

Compatible
Walther HP Type

rtc TYPE 208 Flatface Dry Break

Hydraulic

New Design



dn	bar	PSI
6 mm	650	9.500
8 mm	600	8.700
12 mm	600	8.700
16 mm	600	8.700
20 mm	600	8.700

NBR (N) -20°C +100°C (-4°F +212°F)
FPM (V) -10°C +180°C (+14°F +356°F)

i Standard version
Steel with Zinc Plating
Seal NBR (N)

Compatible
Walther HC Type



dn

6 mm
10 mm
13 mm
16 mm
19 mm
25 mm
32 mm
37 mm

bar PSI

210 - 3.045
210 - 3.045
210 - 3.045
210 - 3.045
210 - 3.045
210 - 3.045
180 - 2.610
180 - 2.610



Standard version
Stainless Steel
Seal NBR (N)
Advantages
High Flow
Heavy Duty
Hardened Special Steel Body



Compatible
Nitto Kohki HSP



NBR (N) -20°C +100°C (-4°F +212°F)
FPM (V) -10°C +180°C (+14°F +356°F)

Hydraulic **Chemical**

rtc TYPE 074
ISO 16028



dn

6 mm
10 mm
13 mm
16 mm
19 mm
25 mm
32 mm

bar PSI

315 - 4.570
315 - 4.570
250 - 3.625
200 - 2.900
200 - 2.900
200 - 2.900
200 - 2.900



Standard version
Steel Zinc Plated
Seal NBR (N)



Compatible
ISO 7241-A



NBR (N) -20°C +100°C (-4°F +212°F)
FPM (V) -10°C +180°C (+14°F +356°F)

Hydraulic

rtc TYPE 076
ISO 7241-A



dn

5 mm - 6 mm - 10 mm - 13 mm
19 mm - 25 mm - 35 mm - 45 mm



25 - 50 bar (360 - 725 PSI) - Brass
180 - 450 bar (2600 - 6525 PSI) - Steel
120 - 300 bar (1750 - 4350 PSI) - Stainless Steel



Standard version
Steel and Brass
Seal NBR (N)
Advantages
Low Pressure Drop
Maximum Flow Capacity
Safety Locking Sleeve
Option
- Pressure Release Valve
- Safety Sleeve



Compatible
Parker-Tema T



NBR (N) -20°C +100°C (-4°F +212°F)
FPM (V) -10°C +180°C (+14°F +356°F)

Hydraulic

rtc TYPE 089



dn

6 mm
12 mm
19 mm

bar PSI

410 - 5.950
410 - 5.950
310 - 4.500



Standard version
Steel Zinc Plated
Seal NBR (N)



Compatible
Parker SM



NBR (N) -20°C +100°C (-4°F +212°F)
FPM (V) -10°C +180°C (+14°F +356°F)

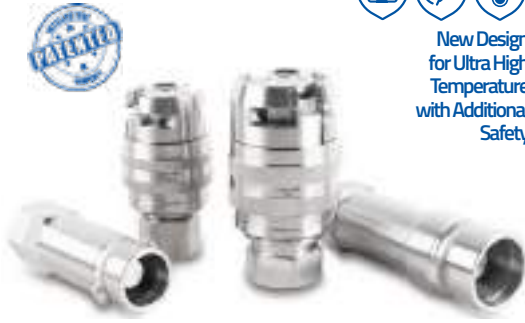
Hydraulic

rtc TYPE 245



rtc TYPE 116 High Temperature

Water Chemical Hydraulic



dn 9 mm - 12 mm - 16 mm - 20 mm

Pressure 25 bar - 362 PSI

Temperature FPM (V) -10°C +180°C (+14°F +356°F)
FFKM (W) 0°C +325°C (+32°F +617°F)

i Standard version
Stainless Steel
Seals FFKM (W)
Advantages
Safety lock
High Temperature applications
Easy to change and maintenance
seal
Push to disconnect
Option
- Colour coding (Red, Blue)

rtc TYPE 123 Bayonet Connection

Chemical Hydraulic



dn	bar PSI
3 mm	500 - 5.075
5 mm	250 - 2.320
8 mm	10 - 1.160
12 mm	50 - 725
16 mm	50 - 725
20 mm	50 - 725

Temperature NBR (N) -20°C +100°C (-4°F +212°F)
FPM (V) -10°C +180°C (+14°F +356°F)
EPDM (E) -40°C +150°C (-40°F +302°F)
FFKM (W) 0°C +250°C (+32°F +482°F)
FMQ (FSN) -50°C +175°C (-58°F +347°F)

i Standard version
Stainless Steel 316L
Seals NBR (N)
Option
- Dust Cap
- Colour coding (Red, Blue)
- Panel Mounting

rtc TYPE 203 High Temperature

Chemical Hydraulic



dn 9 mm - 12 mm - 19 mm - 32 mm - 50 mm

Pressure 10 - 50 bar (145 - 725 PSI) - Brass
10 - 50 bar (145 - 725 PSI) - Stainless Steel
30 - 100 bar (435 - 1450 PSI) - Steel

Temperature FPM (V) -10°C +180°C (+14°F +356°F)
PTFE (PT) -50°C +250°C (-58°F +482°F)

i Standard version
Stainless Steel 316L
Seals FPM (V)

Compatible
Walther TE Type

rtc TYPE 205 Chemical Usage

Chemical Hydraulic



dn	bar PSI
5 mm	64 - 930
7 mm	64 - 930
9 mm	64 - 930
12 mm	64 - 930
19 mm	40 - 580

Temperature FPM (V) -10°C +180°C (+14°F +356°F)
EPDM (E) -40°C +150°C (-40°F +302°F)
FFKM (W) 0°C +250°C (+32°F +482°F)

i Standard version
Stainless Steel
Seals FPM (V)

Compatible
Walther CT Type



dn 12 mm - 19 mm - 25 mm

Pressure 16 bar - 230 PSI

Temperature
FPM (V) -10°C +180°C (+14°F +356°F)
FFKM (W) 0°C +325°C (+32°F +617°F)

Standard version
Steel black oxide
Seals FFKM (W)
Using Area
For Hot Oil Usages
Option
Special Patented Safety Sleeve

Compatible
Walther 11 Type

Hydraulic



Ultra High Temperature



rtc TYPE 219
High Temperature

Patented Design
AUTOMATIC Safety
Locking



dn	bar	PSI
25 mm	25	360
40 mm	25	360
50 mm	25	360
80 mm	16	230
100 mm	10	145

Standard version
Stainless Steel 316L
Seals FPM (V)
Option
- Handwheel
- Flansch
- Mechanical Coding
- Colour Coding

Compatible
Walther CN Type

Temperature
NBR (N) -20°C +100°C (-4°F +212°F)
FPM (V) -10°C +180°C (+14°F +356°F)

Hydraulic

Chemical



New Design

rtc TYPE 207
Loading & Filling



dn 5 mm

Pressure 170 bar - 2.500 PSI

Temperature
NBR (N) -20°C +100°C (-4°F +212°F)
FPM (V) -10°C +180°C (+14°F +356°F)

Standard version
Steel zinc plated
Seals NBR (N)
Option
- Stainless Steel

Compatible
Walther FF-005 Type
Walther 15-005 Type

Hydraulic

Chemical

rtc TYPE 215
Clean Break



dn 6 mm - 9 mm - 13 mm - 19 mm - 25 mm
30 mm - 38 mm

Pressure
515 - 690 bar (7.500 - 10.000 PSI) - High Pressure Stainless Steel
275 - 345 bar (4.000 - 5.000 PSI) - Stainless Steel
515-690 bar (7.500 - 10000 PSI) - Steel

Temperature
NBR (N) -20°C +100°C (-4°F +212°F)
FPM (V) -10°C +180°C (+14°F +356°F)

Standard version
Steel Zinc Plated
Advantages
High Flow
Flat Face
Heavy Duty
Option
- Stainless Steel

Compatible
Parker-Snap Tite 71 Type

Hydraulic

Chemical

rtc TYPE 071



rtc TYPE 080 Ultimate High Pressure



dn 4 mm

1.000 bar - 14.500 PSI

NBR (N) -20°C +100°C (-4°F +212°F)

- Advantages**
- Ultimate High Pressure (UHP) dripless hydraulic coupling.
 - Plug and Coupler has plastic dust cap in order to increase the service life.
 - Aluminium Dust cap is also available.
 - Uninterchangeable sister coupling is also available in order to avoid any mis-connection. (rtc 082.04)

Compatible
Cejn 115



rtc TYPE 081 Ultimate High Pressure



dn 3 mm

1.500 bar - 21.755 PSI

NBR (N) -20°C +100°C (-4°F +212°F)

- Advantages**
- Ultimate High Pressure (UHP) dripless hydraulic coupling.
 - Plug and Coupler has plastic dust cap in order to increase the service life.
 - Aluminium Dust cap is also available.

Compatible
Cejn 116



rtc TYPE 083 Ultimate High Pressure



dn 3 mm

2.000 bar - 29.000 PSI

NBR (N) -20°C +100°C (-4°F +212°F)

- Advantages**
- Ultimate High Pressure (UHP) dripless hydraulic coupling.
 - Plug and Coupler has plastic dust cap in order to increase the service life.
 - Aluminium Dust cap is also available.

Compatible
Cejn 125



rtc TYPE 043



dn 12 mm - 19 mm

15 bar - 215 PSI

NBR (N) -20°C +100°C (-4°F +212°F)
FPM (V) -10°C +180°C (+14°F +356°F)

Standard version
Brass
Seals NBR (N)

Compatible
Legris 8500L





Water

rtc TYPE 042



11 mm - 16 mm



Standard version
Seals FPM (V)
Option
- Safety lock
- Stainless Steel



35 bar - 510 PSI



Compatible
Parker 42
ABA



NBR (N) -20°C +100°C (-4°F +212°F)
FPM (V) -10°C +180°C (+14°F +356°F)
EPDM (E) -40°C +150°C (-40°F +302°F)



Water

Pneumatic

rtc TYPE 044



11 mm - 16 mm - 19 mm



Standard version
Brass Nickel Plated
Seals NBR (N)
Option
- Stainless Steel



15 bar - 215 PSI



NBR (N) -20°C +100°C (-4°F +212°F)
FPM (V) -10°C +180°C (+14°F +356°F)



Water

Pneumatic

Hydraulic

rtc TYPE 046



6 mm - 9 mm - 13 mm - 19 mm - 25 mm
25 mm - 30 mm - 38 mm - 50 mm



Standard version
Seals NBR (N)
Option
- Stainless Steel
- Steel Zinc Plated
- Brass



155 - 450 bar (400 - 2.250 PSI) - Brass
100 - 450 bar (1500 - 6.500 PSI) - Steel
35 - 350 bar (500 - 5.000 PSI) - Stainless Steel
20 - 155 bar (300 - 2.250 PSI) - Aluminium



Compatible
Snap Tite H



NBR (N) -20°C +100°C (-4°F +212°F)
FPM (V) -10°C +180°C (+14°F +356°F)



Water

Pneumatic

Hydraulic

rtc TYPE 053



6 mm - 10 mm - 13 mm - 19 mm - 25 mm
32 mm - 38 mm - 50 mm



Standard version
Seals NBR (N)
Option
- Stainless Steel
- Steel Zinc Plated
- Brass



15 - 50 bar (218 - 725 PSI) - Brass (MS)
20 - 75 bar (290 - 1090 PSI) - Steel (ST)



Compatible
Nitto Kohki TSP



NBR (N) -20°C +100°C (-4°F +212°F)
FPM (V) -10°C +180°C (+14°F +356°F)



rtc TYPE 460 & 469

Pneumatic



dn 3 mm - 6 mm - 8 mm - 11 mm - 19 mm

25 bar (365 PSI)
15 bar (220 PSI) Connection / Disconnection

NBR (N) -20°C +100°C (-4°F +212°F)
FPM (V) -10°C +180°C (+14°F +356°F)

- Advantage**
Self Venting Safety Type
- The system perfectly fits to the **ISO 4414, EN 983** safety Standards.
 - Full flow, negligible loss of pressure
 - Simple operation, no force required
 - Compact design
 - Almost all plug profiles are available in Pneumatic Industry.

rtc TYPE 450 ISO 6150-C

Pneumatic



dn 3 mm - 6 mm - 8 mm - 11 mm

25 bar (365 PSI)
15 bar (220 PSI) Connection / Disconnection

NBR (N) -20°C +100°C (-4°F +212°F)
FPM (V) -10°C +180°C (+14°F +356°F)
EPDM (E) -40°C +150°C (-40°F +302°F)

- Advantage**
Self Venting Safety Type
- The system perfectly fits to the **ISO 4414, EN 983** safety Standards requirements.
 - Model to ISO 6150-C-10 and AFNOR: C-10 NF E 49-053
 - Safety feature: 2-stage disconnection

Compatible
ISO 6150-C

rtc TYPE 451 ISO 6150-C

Pneumatic



dn 6 mm - 8 mm

25 bar (365 PSI)
15 bar (220 PSI) Connection / Disconnection

NBR (N) -20°C +100°C (-4°F +212°F)
FPM (V) -10°C +180°C (+14°F +356°F)
EPDM (E) -40°C +150°C (-40°F +302°F)

- Advantage**
Self Venting Safety Type
- The system perfectly fits to the **ISO 4414, EN 983** safety Standards requirements.
 - Model to ISO 6150-C-10 and AFNOR: C-10 NF E 49-053
 - Safety feature: 2-stage disconnection

Compatible
ISO 6150-C

rtc TYPE 452 ISO 6150-C / Coded Serie

Pneumatic



dn 6 mm

25 bar (365 PSI)
15 bar (220 PSI) Connection / Disconnection

NBR (N) -20°C +100°C (-4°F +212°F)
FPM (V) -10°C +180°C (+14°F +356°F)
EPDM (E) -40°C +150°C (-40°F +302°F)

- Advantage**
Self Venting Safety Type
- The system perfectly fits to the **ISO 4414, EN 983** safety Standards requirements.
 - Model to ISO 6150-C-10 and AFNOR: C-10 NF E 49-053
 - Safety feature: 2-stage disconnection
 - Coded type - Non-Interchangeable

Compatible
ISO 6150-C

Available Codes





dn 11 mm - 19 mm

Pressure 15 bar - 220 PSI

Seals
NBR (N) -20°C +100°C (-4°F +212°F)
FPM (V) -10°C +180°C (+14°F +356°F)
EPDM (E) -40°C +150°C (-40°F +302°F)

- i** **Advantage**
Self Venting Safety Type
- The system perfectly fits to the **ISO 4414, EN 983** safety Standards.
 - Safety feature: 2-stage disconnection
 - Coded type (Non-Interchangeable) is also available.
- Option**
- Stainless Steel

Water

rtc TYPE 453 & 454



Available Codes



dn 6 mm - 8 mm - 11 mm

Pressure 12 - 16 bar (175 - 230 PSI)

Seals
NBR (N) -20°C +100°C (-4°F +212°F)
FPM (V) -10°C +180°C (+14°F +356°F)
EPDM (E) -40°C +150°C (-40°F +302°F)

- i** **Standard version**
Stainless Steel
Seals NBR (N)
- Advantage**
Self Venting Safety Type
- The system perfectly fits to the **ISO 4414, EN 983** safety Standards requirements.
 - Safety feature: 2-stage disconnection

Compatible
ISO 6150-C

Pneumatic

rtc TYPE 171
ISO 6150-C



dn 6 mm - 8 mm

Pressure 12 - 16 bar (175 - 230 PSI)

Seals
NBR (N) -20°C +100°C (-4°F +212°F)
FPM (V) -10°C +180°C (+14°F +356°F)
EPDM (E) -40°C +150°C (-40°F +302°F)

- i** **Standard version**
Stainless Steel and Plastic Cover
Seals NBR (N)
- Advantage**
Self Venting Safety Type
- The system perfectly fits to the **ISO 4414, EN 983** safety Standards requirements.
 - Safety feature: 2-stage disconnection

Compatible
ISO 6150-C

Pneumatic

rtc TYPE 172
ISO 6150-C



dn 6 mm - 7 mm - 9 mm - 12 mm - 19 mm - 32 mm

Pressure
30 - 40 bar (435 - 580 PSI) - Brass (MS) for gases
10 - 30 bar (145 - 435 PSI) - Brass (MS) for liquids
30 - 40 bar (435 - 580 PSI) - Steel (ST) for gases
10 - 30 bar (145 - 435 PSI) - Steel (ST) for liquids

Seals
NBR (N) -20°C +100°C (-4°F +212°F)
FPM (V) -10°C +180°C (+14°F +356°F)
EPDM (E) -40°C +150°C (-40°F +302°F)

Compatible
Walther UF Type

Water **Pneumatic**

rtc TYPE 204
Coded Connection



Available Codes

rtc TYPE 002

Pneumatic



7.8 mm



Compatible

rtc 463.08
rtc 025
rtc 026
Rectus 25 & 26
Cejn 320



35 bar - 510 PSI



NBR (N) -20°C +100°C (-4°F +212°F)

rtc TYPE 003

Pneumatic



5 mm



Standard version

Brass Nickel Plated
Seals NBR (N)

Option

- Brass
- Colour Coding



35 bar - 510 PSI



Compatible

rtc 021
Rectus 21



NBR (N) -20°C +100°C (-4°F +212°F)
FPM (V) -10°C +180°C (+14°F +356°F)

rtc TYPE 013

Pneumatic



7.5 mm - 13 mm



Compatible

Nitto Kohki	Hi Cupla
Nitto Kohki	Hi Cupla 200
Rectus	13
Cejn	315



35 bar - 510 PSI



NBR (N) -20°C +100°C (-4°F +212°F)

rtc TYPE 014

Pneumatic



5 mm - 9.5 mm



Compatible

rtc 014.06
rtc 022
rtc 462.06
Rectus 14KA, 22KA
Parker 50
Aro 210
Cejn 300
Orion 44510



35 bar - 510 PSI



NBR (N) -20°C +100°C (-4°F +212°F)

rtc 014.09
rtc 462.09
Rectus 40
Aro 310
Orion 44520, 44530



Pneumatic

rtc TYPE 017

dn 5 mm - 9.5 mm

Compatible
Rectus 17KA - 68KA
Schrader 1/4" / 3/8" Heavy Duty

35 bar - 510 PSI

NBR (N) -20°C +100°C (-4°F +212°F)
FPM (V) -10°C +180°C (+14°F +356°F)



Pneumatic

rtc TYPE 019

dn 5.5 mm

Compatible
Rectus 19KA
PCL AC21, AC29, AC91

35 bar - 510 PSI

NBR (N) -20°C +100°C (-4°F +212°F)



Pneumatic

rtc TYPE 020

dn 2.7 mm

Compatible
Rectus 20
Rectus 20KB
Walther 06-003

35 bar - 510 PSI

NBR (N) -20°C +100°C (-4°F +212°F)
FPM (V) -10°C +180°C (+14°F +356°F)



Water Pneumatic

rtc TYPE 021

dn 5 mm

i Standard version
Brass
Seals NBR (N)
Option
- Brass Nickel Plated
- Colour Coding

35 bar - 510 PSI

Compatible
rtc 003
Rectus 21

NBR (N) -20°C +100°C (-4°F +212°F)
FPM (V) -10°C +180°C (+14°F +356°F)



rtc TYPE 022

Pneumatic



5.5 mm



35 bar - 510 PSI



NBR (N) -20°C +100°C (-4°F +212°F)



Compatible

rtc	462.06
rtc	014.06
AMFLO	C38
ARO	210
Cejn	300
Foster	210
Parker	B53
Rectus	14 & 22

rtc TYPE 023 ISO 6150-B-12

Pneumatic



5.5 mm



35 bar - 510 PSI



NBR (N) -20°C +100°C (-4°F +212°F)



Compatible

US (Industrial) MIL-C-4109 1/4	
ISO 6150-B-12	
rtc	460.06
Hansen	1000
Cejn	310
Foster	3003
Parker	B23
Rectus	23 & 24

rtc TYPE 025

Pneumatic



7.8 mm



35 bar - 510 PSI



NBR (N) -20°C +100°C (-4°F +212°F)
FPM (V) -10°C +180°C (+14°F +356°F)



Option

- Colour & Mechanical Coding



Compatible

rtc	463.08
rtc	002
rtc	026
Rectus	25 & 26
Rectus	25KB & 26KB
Cejn	320

rtc TYPE 026

Pneumatic



7.2 mm



35 bar - 510 PSI



NBR (N) -20°C +100°C (-4°F +212°F)



Compatible

rtc	463.08
rtc	002
rtc	025
Rectus	25 & 26
Rectus	25KB & 26KB
Cejn	320



dn 10.5 mm

35 bar - 510 PSI

NBR (N) -20°C +100°C (-4°F +212°F)
FPM (V) -10°C +180°C (+14°F +356°F)

Compatible
Rectus 27
Rectus 27KB
Cejn 410
Tema 1700

Pneumatic

rtc TYPE 027



dn 8.5 mm

35 bar - 510 PSI

NBR (N) -20°C +100°C (-4°F +212°F)
FPM (V) -10°C +180°C (+14°F +356°F)
EPDM (E) -40°C +150°C (-40°F +302°F)

Compatible
US (Industrial) MIL-C-4109 3/8
ISO 6150-B-15
rtc 460.08
Rectus 30KA
Cejn 430
Parker 25F

Pneumatic

rtc TYPE 030
ISO 6150-B-15



dn 6 mm - 10 mm - 13 mm

35 bar - 510 PSI

NBR (N) -20°C +100°C (-4°F +212°F)
FPM (V) -10°C +180°C (+14°F +356°F)

Compatible
rtc 032.06
Rectus 31KA
Cejn 303
Tema 1300
rtc 032.10
Rectus 32KA
Cejn 408
Tema 1800

Pneumatic

rtc TYPE 032



dn 8 mm

35 bar - 510 PSI

NBR (N) -20°C +100°C (-4°F +212°F)
FPM (V) -10°C +180°C (+14°F +356°F)

Compatible
rtc 468.08
Atlas Copco
Rectus
QIC10
33

Pneumatic

rtc TYPE 033



rtc TYPE 035

Pneumatic



7.8 mm



35 bar - 510 PSI



NBR (N) -20°C +100°C (-4°F +212°F)



Advantages

- Safety locking mechanism.
- Breathing air applications.
- To disconnect, the plug must first be pushed further into the coupling before it can be unlocked.



Compatible

Rectus 95KS
Cejn 344

rtc TYPE 036

Pneumatic



7.8 mm



35 bar - 510 PSI



NBR (N) -20°C +100°C (-4°F +212°F)



Advantages

- Safety locking mechanism.
- Breathing air applications.
- To disconnect, the plug must first be pushed further into the coupling before it can be unlocked.



Compatible

Rectus 96KS
Cejn 342

rtc TYPE 037

ISO 6150-B-17 & ISO 6150-B-23

Pneumatic



11 mm - 16 mm



35 bar - 510 PSI



NBR (N) -20°C +100°C (-4°F +212°F)



Compatible

rtc 037.11
US (Industrial) MIL-C-4109 1/2
ISO 6150-B-17
rtc 460.11
Rectus 37KA
Hansen 5000

rtc 037.16
US (Industrial) MIL-C-4109 5/8
ISO 6150-B-23

rtc TYPE 038

Pneumatic



15 mm - 19 mm



35 bar - 510 PSI



NBR (N) -20°C +100°C (-4°F +212°F)



Compatible

rtc 038.15
Rectus 38 - 38KB
Hansen 6000

rtc 038.19
Rectus 39 - 39KB
Hansen 7000



dn 5.2 mm - 7 mm - 10.5 mm

Compatible
Imopac

35 bar - 510 PSI

NBR (N) -20°C +100°C (-4°F +212°F)

Pneumatic

rtc TYPE 055



dn 7.8 mm

Advantages
- Safety locking mechanism.
- Breathing air applications.
- To disconnect, the plug must first be pushed further into the coupling before it can be unlocked.

35 bar - 510 PSI

Compatible
Rectus 25 KS
Rectus 25 KD

NBR (N) -20°C +100°C (-4°F +212°F)

Pneumatic

rtc TYPE 058



dn 4 mm

Advantages
Panel mount on test units
laboratory desks.
Pneumatic automation control.

**15 bar (217 PSI) - Brass (MS)
250 bar (3626 PSI) - Stainless Steel (S6)**

**NBR (N) -20°C +100°C (-4°F +212°F)
FPM (V) -10°C +180°C (+14°F +356°F)**

Pneumatic

rtc TYPE 133



dn 4 mm - 6 mm

Advantages
Panel mount on test units
laboratory desks.
Pneumatic automation control.
Medical clean room applications.

10 bar - 145 PSI

Compatible
CPC LC
CPC MC

**NBR (N) -20°C +100°C (-4°F +212°F)
FPM (V) -10°C +180°C (+14°F +356°F)
EPDM (E) -40°C +150°C (-40°F +302°F)
FMQ (FSN) -50°C +175°C (- 58°F +347°F)**

Water

rtc TYPE 350



Accessories

rtc TYPE BC

Threadless Pressure Plug

1. Material: Brass
2. Material: Inner Part Stainless Steel - Edelstahl



Compatible
Hasco Z 942



rtc TYPE BCO

Threadless Pressure Plug

Material: Brass
O-Ring: FPM (V) -10°C +180°C (+14°F +356°F)



Compatible
EOC KN / 105



rtc TYPE PPR & PPK

Conical Thread Pressure Plug (DIN 906)

Material: Brass
Option: Stainless Steel
Steel Zinc Plated



rtc TYPE PPG & PPM

Straight Thread Pressure Plug



rtc TYPE PPD

Pressure Plug with Copper Washer (DIN 908)

Material: Brass
Washer: Copper Ring



rtc TYPE PPO

Pressure Plug with O-Ring

Material: Brass
O-Ring: FPM (V) -10°C +180°C (+14°F +356°F)
Option: Stainless Steel
Aluminium



rtc TYPE SCN (PTFE & Hydraulic)

Crimping Hose Adapters with Female thread

Material: Steel Zinc Plated (Inner Stainless Steel)
Option: Stainless Steel



rtc TYPE MHN

Male Hose Nippel

Material: Brass
Option: Stainless Steel
Steel Zinc Plated
Brass Nickel Plated
Available in all hose profiles*



*Available Hose Profiles



rtc TYPE FHN

Female Hose Nippel

Material: Brass
Option: Stainless Steel
Steel Zinc Plated
Brass Nickel Plated
Available in all hose profiles*



rtc TYPE FHNN

Swivel Female Hose Nippel

Material: Brass
Option: Stainless Steel
Steel Zinc Plated
Brass Nickel Plated
Available in all hose profiles*



rtc TYPE SPN

Swivel Hose Nippel

Material: Steel Zinc Plated
Option: Stainless Steel



rtc TYPE MRN

Swivel Hose Nippel

Material: Steel Zinc Plated



rtc TYPE MMS

Swivel Hose Nippel

Material: Steel Zinc Plated
Option: Stainless Steel



rtc TYPE NOP

Pneumatic Hose Adapter with Nut

Material: Brass

Plate: Nickel Plated - Verzinkt

O-Ring: NBR (N) -20°C +100°C (-4°F +212°F)



rtc TYPE IQS

Pneumatic Push Fittings



rtc TYPE PU-Coil

PU Pneumatic Spiral Hose

Material: Polyurethan

Colour: Blue, Red, Yellow



rtc TYPE HHN

Hose - Hose Nippel

Material: Brass

Option: Stainless Steel

Steel Zinc Plated

Brass Nickel Plated

Available in all hose profiles*



rtc TYPE SRM & SRG

Extension Hose Plugs with Male straight thread

Material: Brass



rtc TYPE PUN

Polyurethan Pneumatic Hose Roll

Material: Polyurethan

Colour: Blue, Red, Yellow, Green, Clear



rtc TYPE MFN

Male - Female Thread Adapter

Material: Brass

Option: Stainless Steel

Steel Zinc Plated



rtc TYPE MMN

Male Thread Adapter with Inner Cone (DIN 3863)

Material: Brass

Option: Stainless Steel

Steel Zinc Plated



rtc TYPE EBFM

45° & 90° Male to Female Elbow

Material: Brass



rtc TYPE CPE

Two Ear Hose Clamp

Material: Steel Zinc Plated



rtc TYPE CPW2

Worm Drive Hose Clamp

Material: Steel Zinc Plated

Band: Stainless Steel



rtc TYPE CPB

Hose Crimping Bush (For Low Pressure)

Material: Steel Zinc Plated



Accessories

rtc TYPE KVFM

Mini Ball Valve - Female / Male



Material: Brass Nickel Plated

dn 1/4" - 3/8" - 1/2" - 3/4" - 1"
1-1/4"

40 - 50 bar (580 - 725 PSI)

-20°C +150°C (-4°F +212°F)

rtc TYPE SVFM

Standard Ball Valve - Female / Male



Material: Brass Nickel Plated

dn 1/4" - 3/8" - 1/2" - 3/4" - 1"
1-1/4" - 1-1/2"

40 - 50 bar (580 - 725 PSI)

-20°C +150°C (-4°F +212°F)

rtc TYPE TVFM

T Handle Ball Valve - Female / Male



Material: Brass Nickel Plated

dn 1/4" - 3/8" - 1/2" - 3/4"

40 - 50 bar (580 - 725 PSI)

-20°C +150°C (-4°F +212°F)

rtc TYPE KVFF

Mini Ball Valve - Female / Female



Material: Brass Nickel Plated

dn 1/4" - 3/8" - 1/2" - 3/4" - 1"
1-1/4"

40 - 50 bar (580 - 725 PSI)

-20°C +150°C (-4°F +212°F)

rtc TYPE SVFF

Standard Ball Valve - Female / Female



Material: Brass Nickel Plated

dn 1/4" - 3/8" - 1/2" - 3/4" - 1"
1-1/4" - 1-1/2"

40 - 50 bar (580 - 725 PSI)

-20°C +150°C (-4°F +212°F)

rtc TYPE TVFF

T Handle Ball Valve - Female / Female



Material: Brass Nickel Plated

dn 1/4" - 3/8" - 1/2" - 3/4"

40 - 50 bar (580 - 725 PSI)

-20°C +150°C (-4°F +212°F)

rtc TYPE 117

Brass Manifold



Inlet	Outlet
3/4"	1/4" & 3/8"
1"	1/4" & 3/8" & 1/2"
1-1/4"	3/8" & 1/2"

10 bar - 145 PSI

-20°C +250°C (-4°F +482°F)

rtc TYPE 118

5 Surfaced Aluminium Manifold



Inlet	Outlet
3/4"	1/4" & 3/8"
1"	1/4" & 3/8"
1-1/4"	1/4" & 3/8" & 1/2"
1-1/2"	1/4" & 3/8" & 1/2" & 3/4"
2"	3/8" & 1/2" & 3/4" & 1"

10 bar - 145 PSI

-20°C +250°C (-4°F +482°F)

rtc TYPE 119

3 Surfaced Stainless Steel Manifold



Inlet	Outlet
1"	1/4" & 3/8" & 1/2"
1-1/4"	1/4" & 3/8" & 1/2"
1-1/2"	1/4" & 3/8" & 1/2" & 3/4"

Options
High port thread is shown on the picture.
- Low port thread,
- Twin profile (max. 2 Surfaced hole is available)

10 bar - 145 PSI

-20°C +400°C (-4°F +752°F)



Advantages

- Quick and easy installation
- Return of the ejector plate is assured
- Part ejection is assured
- Coupling is obtained in any position, disconnecting is made only after the ejector plate is fully returned.
- Fast acting, up to 30 strokes per minute.
- Can be used on all injection machines equipped with hydraulic or mechanical ejection
- Set-up time can be greatly reduced.
- Reduced noise on machines with mechanical knockouts
- Especially suited for injection machines that do not have easy access to the ejector plate.



Compatible - Max.Pull Force

rtc 092.16	1500 kg	Alba 300 Series
rtc 092.18	2400 kg	Alba 400 Series
rtc 092.25	3200 kg	Alba 500 Series

rtc 092.19	1500 kg	Pneumatic Series
rtc 092.36	6000 kg	Pneumatic Series
rtc 092.44	8000 kg	Pneumatic Series



*New Design / *Neues Design



6 mm



Cascade Water Junction

RTC Cascade Water Junctions can be ideally used for cooling plastics molds and die-cast dies where drilled waterlines through the block are not possible due to interference with ejector pins, sprue puller pins, etc.

The length of the tube can be changed.

Water

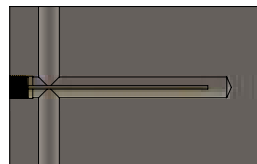
rtc TYPE CSD Cascade Water Junction



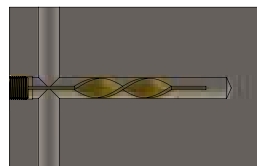
Baffles

RTC Baffles are ideal for cooling plastics molds and die-cast dies where drilled waterlines through the block are not possible due to interference with ejector pins, sprue puller pins, etc.

The length and the material can be changed according to its usage area.



Straight Baffle (SBM)



Turbo Baffle (TBM)

rtc TYPE SBM & TBM Straight & Turbo Baffles



Swivel Joints

The swivel joints of the ZT.GG series are designed to be mounted between a hose assembly and a rigid component of a machine in order to allow and compensate occasional rotations: the movement of the stem on his own axis prevents hose damages. They are used in every productive sector where there are means, equipments or plant with moving flexible hoses.



1/4" - 3/8" - 1/2" - 3/4" - 1 - 1.1/4" - 1.1/2"



Option
- Stainless Steel



NBR (N) -20°C + 100°C (-4°F + 212°F)
FPM (V) -20°C + 180°C (-4°F + 356°F)

rtc TYPE ZT.GG Swivel Joints



Hoses

Push to Connect - PTFE & Hydraulic

rtc TYPE PTFE Hose

Stainless Steel Braided PTFE Hose



PTFE Hoses with Stainless Steel Braided

RTH - PTFE Stainless Steel Braided **Corrugated** Hose with **Fiber** Reinforcement

RCH - PTFE Stainless Steel Braided **Corrugated** Hose

RSH - PTFE Stainless Steel Braided **Straight** Hose

RIH - PTFE Stainless Steel Braided **Straight** Hose with **Fabric Cover** (Colours: **Red**, **Blue**, **Black**)

RFH - PTFE Stainless Steel Braided **Corrugated** Hose with **Fabric Cover** (Colours: **Red**, **Blue**, **Black**)



6 mm - 8 mm - 10 mm - 12 mm - 16 mm - 19 mm - 25 mm



Working Pressure
24 bar - 348 PSI

Bursting Pressure
72 bar - 1.044 PSI



rtc PTFE Hoses	For Water	For Air
	-50°C +250°C (-58°F +482°F)	-40°C +70°C (-40°F +194°F)

rtc TYPE HTI

High Temperature Hose Insulating Sleeve



High Temperature Hose Insulating Sleeve

High temperature and flame resistant

Thermal insulation

Anti-fire and anti-aging

Protection against splashing metal sparks

Abrasion resistance, water, oil and acid proof and alkali resistant.



15 mm - 20 mm - 22 mm - 25 mm - 30 mm - 35 mm



Continuous	Peak	Resistance
	(max 15 minutes)	(max 20 seconds)
-60°C +260°C (-76°F +500°F)	1050°C (1922°F)	1650°C (3002°F)

rtc TYPE LOCK Hose

Push to Connect - Clampless Hose



Push to Connect (rtc LOCK) Type Hose

Tube: EPDM Rubber Tube

Reinforcement: Two textile spiral braid

Cover: EPDM rubber cover

Application: Water or air based fluids (Must **avoid** oil or fat)

Colours: **Red**, **Blue**, **Black**



6 mm - 10 mm - 12 mm - 16 mm - 19 mm - 25 mm
1/4" - 3/8" - 1/2" - 5/8" - 3/4" - 1"



Working Pressure
24 bar - 348 PSI

Bursting Pressure
72 bar - 1.044 PSI



rtc LOCK 90S	For Water	For Air
	-40°C +90°C (-40°F +194°F)	-40°C +70°C (-40°F +194°F)
	-40°C +120°C (-40°F +248°F)	-40°C +90°C (-40°F +194°F)
rtc LOCK 120S	-40°C +120°C (-40°F +248°F)	-40°C +90°C (-40°F +194°F)
rtc LOCK 140S	-40°C +140°C (-40°F +284°F)	-40°C +120°C (-40°F +248°F)

rtc TYPE Stamina Hose

Hydraulic 2SN Hose



Hydraulic 2SN Hose

Tube: Special Rubber Tube (Hydraulic Oil, Mineral and Vegetable resistant)

Reinforcement: 2 High tensile steel wire braid

Cover: Special Rubber Tube (Oil, Abrasion and Weather resistant)

Application: Medium-High Pressure Hydraulic Systems



6 mm - 10 mm - 12 mm - 16 mm - 19 mm - 25 mm
1/4" - 3/8" - 1/2" - 5/8" - 3/4" - 1"



165 - 400 bar (2.393 - 5.800 PSI) - **Working Pressure**
690 - 1.700 bar (10.005 - 24.650 PSI) - **Bursting Pressure**



rtc PTFE Hoses	For Water	For Air
	-50°C +250°C (-58°F +482°F)	-40°C +70°C (-40°F +194°F)



dn 6 mm

10 bar - 145 PSI

NBR (N) -20°C +100°C (-4°F +212°F)
FPM (V) -10°C +180°C (+14°F +356°F)

i **Standard version**
Stainless Steel and Steel Zinc Plated
Advantage

Through its constant concern for operator safety, RTC has developed five models of blowgun combining Safety, Low Noise Level and Efficiency to meet the specific requirements of all applications.

Pneumatic

rtc TYPE 456
Air Blow Gun



dn 1 mm - 100 mm

0 - 16 bar - 0 - 232 PSI

NBR (N) -20°C +100°C (-4°F +212°F)
FPM (V) -10°C +180°C (+14°F +356°F)

i **Engine Test Couplings**

Designed to meet customer specifications, the versatile 930 couplings can be mated to all types of hose and pipe connections in the automotive industry assembled on the engine.

RTC designs customised solutions for each application according to the connection profile, type of fluids and environment.

The best solution to test all engine circuits before the final assembly.

rtc TYPE 930
Engine Test Couplings



i **Universal Hose Assembly Tool**

Push to Connect fittings assembly tool is great solution for any size of hose up to 1" by easy adjustment.

Straight 45° or 90° hose tail can be used.

Compact, light, robust and mobile and easy to operate.

rtc TYPE HFT
Hose Assembly Tool



- Electricity **NOT** required
- Works with **AIR**
- Increases the **PRODUCTIVITY**
- Controls **LEAKAGE** on the mold
- Compact and ergonomic **DESIGN**
- USER FRIENDLY** control panel
- EASY** to move around and operate
- Cleans with **IMPACT**
- CLEANS, PROTECTS** and **POSTPONES**
- Works in **HARMONY** with mold and components

Technical Details

- Required Air Pressure : 4-6 bars
- Hose Length : 2 meters
- Tank Volumes : 3 tanks x 30 liters
- Max.Pump Flow Rate : 50 lt/min

- Benötigt **KEINEN** Strom
- Arbeitet mit **DRUCKLUFT**
- Steigert die **PRODUKTIVITÄT**
- Überwacht die **UNDICHTIGKEITEN** am Werkzeug
- Kompaktes und ergonomisches **DESIGN**
- BENUTZERFREUNDLICHES** Bedienfeld
- Einfacher Transport und Einsatz
- Reinigt durch Druckstöße
- REINIGT, SPÜLT** und **KONSERVIERT**
- Arbeitet im selben Umfeld des Werkzeugs und deren Peripherie

Technische Details

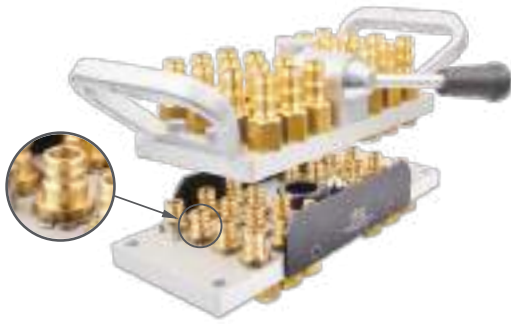
- Benötigte Druckluft : 4-6 bar
- Schlauchlänge : 2 meter
- Behälter : 3 Behälter x 30 Liter
- Max.Pumpen Druchfluss : 50 lt/min

rtc TYPE MMC
Mobile Mold Cleaner



rtc TYPE M090 European Profile

Water

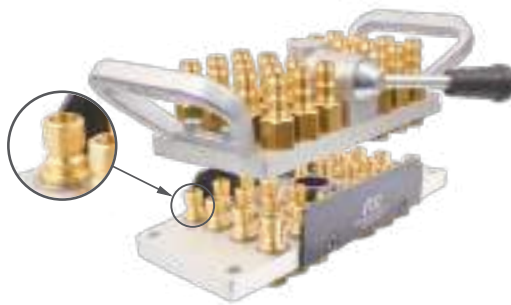


Circuits - Kreislauf

3 ↔ 3 | 4 ↔ 4 | 5 ↔ 5 | 6 ↔ 6 | 8 ↔ 8 | 10 ↔ 10 | 12 ↔ 12

rtc TYPE M099 International Profile

Water



Circuits - Kreislauf

3 ↔ 3 | 4 ↔ 4 | 5 ↔ 5 | 6 ↔ 6 | 8 ↔ 8 | 10 ↔ 10 | 12 ↔ 12

rtc TYPE M101 French Profile

Water



Circuits - Kreislauf

3 ↔ 3 | 4 ↔ 4 | 5 ↔ 5 | 6 ↔ 6 | 8 ↔ 8 | 10 ↔ 10 | 12 ↔ 12

rtc TYPE M116 High Temperature

Chemical Hydraulic



High Temperature

New Design



Circuits - Kreislauf

3 ↔ 3 | 6 ↔ 6



dn 6 mm - 9 mm - 13 mm

16 bar - 232 PSI

FPM (V) -10°C +180°C (+14°F +356°F)
EPDM (E) -40°C +150°C (-40°F +302°F)
High Temp (HT) -20°C +230°C (-4°F +446°F)

i Standard version
Brass
Seals FPM (V)
Option
- Safety Lock
- Stainless Steel
- Alu Die Casted Plate
- Block Plate
- Colour coding (Red, Blue,...)
- Mechanical Coding

Connections
6 / 8 / 10 / 12 / 16 / 20 / 24

dn 6 mm - 9 mm - 15 mm

16 bar - 232 PSI

FPM (V) -10°C +180°C (+14°F +356°F)
EPDM (E) -40°C +150°C (-40°F +302°F)
High Temp (HT) -20°C +230°C (-4°F +446°F)

i Standard version
Brass
Seals FPM (V)
Option
- Safety Lock
- Stainless Steel
- Alu Die Casted Plate
- Block Plate
- Colour coding (Red, Blue,...)
- Mechanical Coding

Connections
6 / 8 / 10 / 12 / 16 / 20 / 24

dn 6 mm - 9 mm - 10 mm - 12 mm - 16 mm

16 bar - 232 PSI

FPM (V) -10°C +180°C (+14°F +356°F)
EPDM (E) -40°C +150°C (-40°F +302°F)
High Temp (HT) -20°C +230°C (-4°F +446°F)

i Standard version
Brass
Seals FPM (V)
Option
- Safety Lock
- Stainless Steel
- Alu Die Casted Plate
- Block Plate
- Colour coding (Red, Blue,...)
- Mechanical Coding

Connections
6 / 8 / 10 / 12 / 16 / 20 / 24

dn 9 mm - 12 mm

16 bar - 232 PSI

FPM (V) -10°C +180°C (+14°F +356°F)
FFKM (W) 0°C +325°C (+32°F +617°F)

i Standard version
Stainless Steel
Seals FPM (V)
Option
- Safety Lock
- Colour coding (Red, Blue,...)
- Mechanical Coding

Connections
6 / 12





dn 9 mm - 12 mm

Pressure 16 bar - 232 PSI

Temperature
FPM (V) -10°C +180°C (+14°F +356°F)
EPDM (E) -40°C +150°C (-40°F +302°F)
High Temp (HT) -20°C +230°C (-4°F +446°F)

i **Standard version**
Brass
Seals FPM (V)
Option
- Colour coding (Red, Blue)

Connections
6 / 12 / 18

Water

rtc TYPE M150
Flatface



Circuits - Kreislauf
3 ↔ 3 | 6 ↔ 6 | 9 ↔ 9



dn 6 mm - 8 mm - 10 mm - 12 mm - 16 mm

Pressure 16 bar - 232 PSI

Temperature
FPM (V) -10°C +180°C (+14°F +356°F)
EPDM (E) -40°C +150°C (-40°F +302°F)
High Temp (HT) -20°C +230°C (-4°F +446°F)

i **Standard version**
Brass and Stainless Steel
Seals FPM (V)
Option
- Safety lock
- Stainless Steel
- Adapter Assembly Plate
- Block Plate
- Mechanical Coding
- Colour coding (Red, Blue)

Connections
6 / 8 / 10 / 12 / 16 / 20 / 24

Water

rtc TYPE M152
Flatface



Circuits - Kreislauf
3 ↔ 3 | 4 ↔ 4 | 5 ↔ 5 | 6 ↔ 6 | 8 ↔ 8 | 10 ↔ 10 | 12 ↔ 12



dn 9 mm - 12 mm

Pressure 16 bar - 232 PSI

Temperature
FPM (V) -10°C +180°C (+14°F +356°F)
EPDM (E) -40°C +150°C (-40°F +302°F)
High Temp (HT) -20°C +230°C (-4°F +446°F)

i **Standard version**
Brass and Stainless Steel
Seals FPM (V)
Option
- Safety lock
- Stainless Steel
- Adapter Assembly Plate
- Block Plate
- Mechanical Coding
- Colour coding (Red, Blue)

Connections
6 / 12 / 18 / 20

Water

rtc TYPE M153
French Profile Flatface



Circuits - Kreislauf
3 ↔ 3 | 6 ↔ 6 | 9 ↔ 9 | 10 ↔ 10

dn 3/8" - 12 mm

Pressure
8 bar - 116 PSI (at 40°C - 104°F)
7 bar - 101.5 PSI (at 60°C - 140°F)
5 bar - 72.5 PSI (at 80°C - 176°F)
4 bar - 58 PSI (at 90°C - 194°F)

Connections
2 / 4 / 6 / 8 / 10 / 12 / 14 / 16 / 18 / 20 / 22 / 24

i **Advantage**
Control of each circuit
Material
Tubes: PA 6 with 30% fiberglass
O-Ring: EPDM (In contact water)
Regulating Taps: Brass
Option
- Female Thread
- Hose Connection
- Easy to Maintenance

Water

rtc TYPE WFR
Water Flow Regulator



Circuits - Kreislauf
1 ↔ 1 | 2 ↔ 2 | 3 ↔ 3 | 4 ↔ 4 | 5 ↔ 5 | 6 ↔ 6 | 7 ↔ 7 | 8 ↔ 8 | 9 ↔ 9 | 10 ↔ 10 | 11 ↔ 11 | 12 ↔ 12

rtc TYPE M103 Residual Pressure Multi- Coupling



Circuits - Kreislauf

1 ↔ 1 | 2 ↔ 2 | 3 ↔ 3 | 4 ↔ 4

rtc TYPE M104



Circuits - Kreislauf

1 ↔ 1 | 2 ↔ 2 | 3 ↔ 3 | 4 ↔ 4

rtc TYPE M115



Circuits - Kreislauf

2 ↔ 2 | 3 ↔ 3 | 4 ↔ 4 | 5 ↔ 5 | 6 ↔ 6 | 7 ↔ 7 | 8 ↔ 8

rtc TYPE M072



Circuits - Kreislauf

2 ↔ 2 | 3 ↔ 3 | 4 ↔ 4 | 5 ↔ 5 | 6 ↔ 6



11 mm



200 bar - 2.900 PSI



NBR (N) -20 °C +100 °C (-4 °F +212 °F)
FPM (V) -10 °C +180 °C (+14 °F +356 °F)



Advantage

Special valve design for Residual Pressure Connection
Suitable for hydraulic core pulls application

Option

- Safety Lock
- Colour coding (Red, Blue,...)
- Mechanical Coding



Connections

2 / 4 / 6 / 8



8 mm
10 mm (High-Flow Type)



200 bar - 2.900 PSI



NBR (N) -20 °C +100 °C (-4 °F +212 °F)
FPM (V) -10 °C +180 °C (+14 °F +356 °F)



Advantage

Suitable for hydraulic core pulls application

Option

- Safety Lock
- Colour coding (Red, Blue,...)
- Mechanical Coding



Connections

2 / 4 / 6 / 8



3 mm - 5 mm



100 bar - 1.450 PSI



NBR (N) -20 °C +100 °C (-4 °F +212 °F)
FPM (V) -10 °C +180 °C (+14 °F +356 °F)



Advantage

Suitable for hydraulic hot runners connections

Option

- Safety Lock
- Colour coding (Red, Blue,...)
- Mechanical Coding



Connections

2 / 4 / 6 / 8 / 10 / 12 / 14 / 16



6 mm - 10 mm - 12 mm - 16 mm



200 bar - 2.900 PSI



NBR (N) -20 °C +100 °C (-4 °F +212 °F)
FPM (V) -10 °C +180 °C (+14 °F +356 °F)



Advantage

ISO 16028 Plug Profile

Option

- Safety Lock
- Colour coding (Red, Blue)

Connections

4 / 6 / 8 / 10 / 12

Electrical

rtc TYPE EC Electrical Connectors



d

Ø 1.5
Ø 2
Ø 3
Ø 5
Ø 6
Ø 8
Ø 11

A

2 - 24 A
12 - 24 A
34 - 45 A
60 - 80 A
80 - 110 A
150 - 200 A
200 - 260 A

V

25 - 250 V
25 - 250 V
250 - 440 V
250 - 630 V
250 - 630 V
250 - 630 V
250 - 830 V

i

Using Areas
Signal (BUS)
Hybrid
Power
High Current



NBR (N) -30°C +100°C (-22°F +212°F)
Silicone (SIL) -40°C +150°C (-40°F +302°F)
Chloroprene (CP) -40°C +100°C (-40°F +212°F)



dn

2 mm - 4 mm - 6 mm - 8 mm

i

Customised Mini-Con

Mini-Con (Pneumatic Multi Connector) is efficient and very simple to operate.

Main advantage of the connector is, it can be able to fix up to 24 different pneumatic tubing with no effort.

Because of its compact design Mini-Con takes a minimum space.

Mainly using areas; robot control systems, machinery, compressed air.



10 bar - 145 PSI



4 / 6 / 8 / 10 / 12 / 16 / 20 / 24



NBR (N) -20°C +90°C (-4°F +194°F)

Pneumatic

rtc TYPE M303 MiniCon Connector



Water

Pneumatic

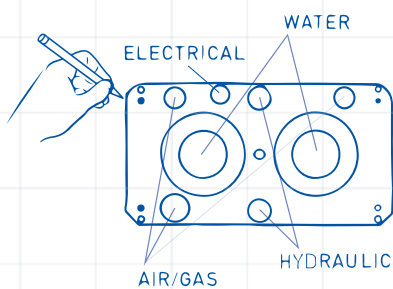
Hydraulic

Electrical

rtc TYPE Customized Design Custom Designed Multi Coupling Plate

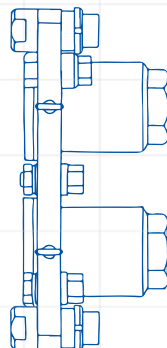
CUSTOMIZED DESIGN CUSTOMIZED SOLUTIONS

THINK.

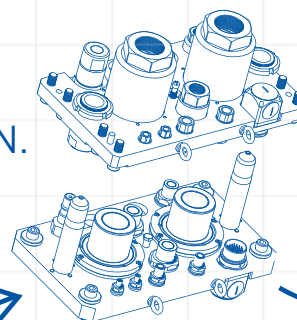


HIGH TEMPERATURE?
HIGH PRESSURE?
HIGH FLOW RATE?
HIGH VOLTAGE?

NO PROBLEM!



DESIGN.



FINAL PRODUCT.



CONTROL **YOUR** FLOW.

MODERN. SAFE & RELIABLE.

Technical Specifications

- 6 – 72 cooling circuits
- 1 1/4" Inlet and return
- 1/2" cooling circuit connections
- Measuring range 1 – 60 l/min
- PT1000 temperature sensors
- Temperature range 5°C to 180°C
- Pressure range max. 8 bar
- IO-Link technology

Control unit & Visualization

- Screen resolution 1024 x 600 Pixel
- Resistive 10" touchscreen
- 64GB memory size
- Simple and intuitive user interface
- Storage of individual tool data records
- Logging of warning messages
- Possibility to monitor the entire production at any workstation (requires network connection)
- Integrated USB and Ethernet interfaces

Optional

- Machine connection via OPC UA
- Connection to external databases (SQL, ...)
- Stainless steel display housing for wall mounting
- High temperature **up to 180°C**
- On-site assembly service



SIMPLE - INTUITIVE - SMART ENGINEERING

Flow Sensor

- State-of-the-art double ultrasonic flow sensor
- Contactless measurement
- Maintenance free, no machine downtime
- Integrated display with status LED
- No risk of contamination, pressure loss or leaks



SIMPLE PLUG IN. READY.

Let yourself be inspired by the easy expandability of the Huracan system. Unpack, plug in, done!

Completely without time-consuming programming and wiring. The system immediately detects each additional HRC collector. Up to 12 HRC Pro can be connected to each other for monitoring 72 circuits with a single HMI.

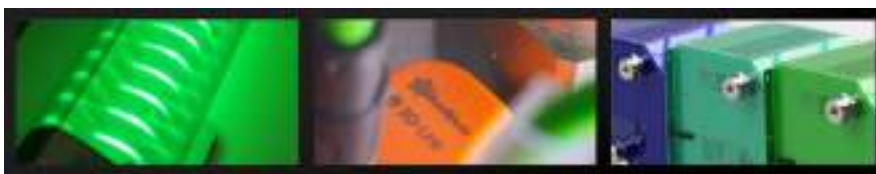
ULTRASONIC FLOW MEASUREMENT.



STAY CONNECTED.



SMART. DOWN TO THE LAST DETAIL.



Thanks to its mobile application, Huracan Flow Control enables you to monitor and control your flows from anywhere with your login and password-inside your plant or outside with any internet connection.

Notes

GLOBAL PRESENCE – INTELLIGENT SOLUTIONS! MEET US ALL OVER THE WORLD

www.rtc-tec.com
www.rtc-couplings.com



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