



RPE Srl

Leader in Fluid Management Control

100%
MADE IN ITALY

Solutions for the Sanitary Market

Whether you make electronic taps, faucet, showers, urinals, hydro massage showers, with infrared or sensor-less technology....

RPE has a full range of solutions

**with technological advancements, service and quality products
since more than 50 years**

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RPE for the Sanitary Market

Existing Products Range

FAUCET – TAPS – URINALS – SHOWER TOILETS

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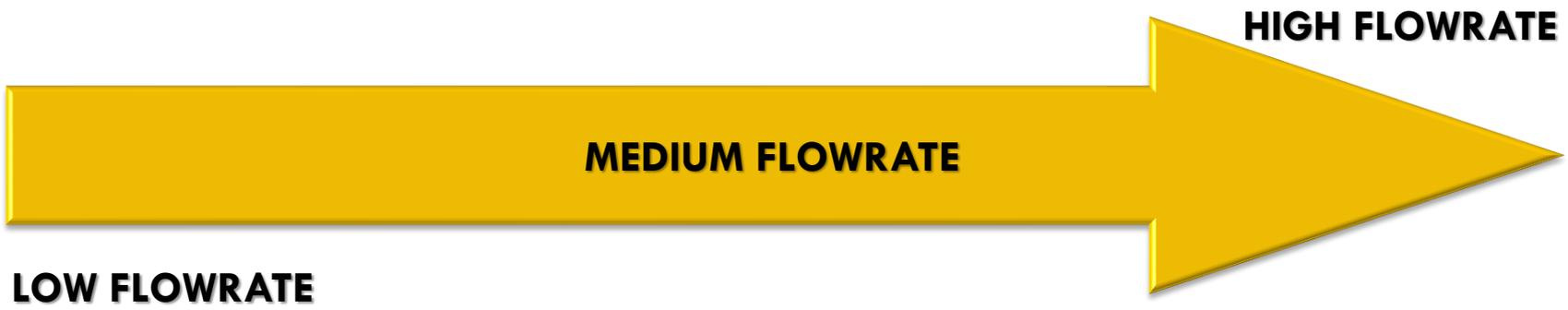
MICRO SERIES



R SERIES MINI



THIRD SERIES





RPE for the Sanitary Market

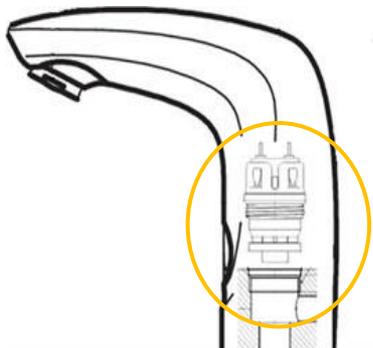
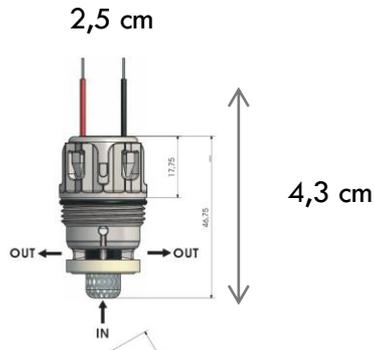
Existing Products Range

FAUCET – TAPS – URINALS – SHOWER TOILETS

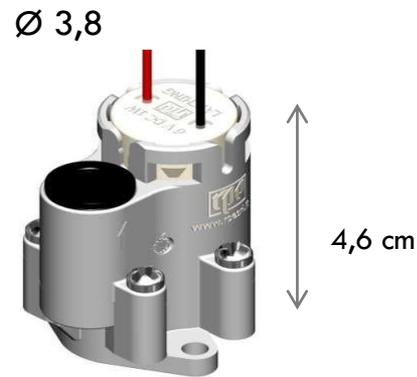
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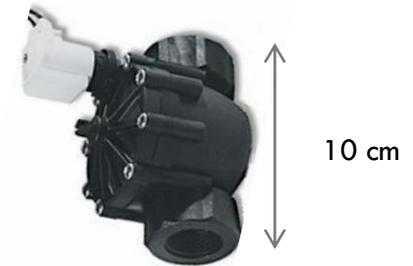
SERIE MICRO RPE 6V bistabile



AXIAL VALVE



FLUSH VALVE TERZA SERIE



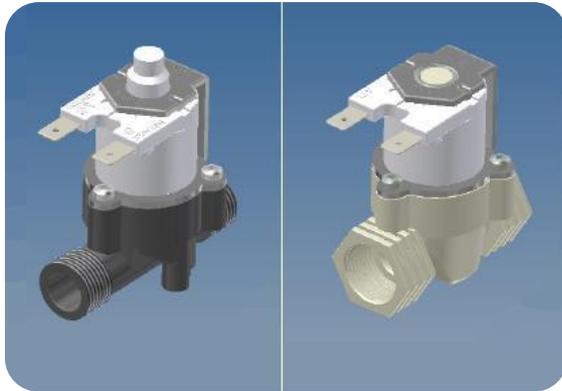


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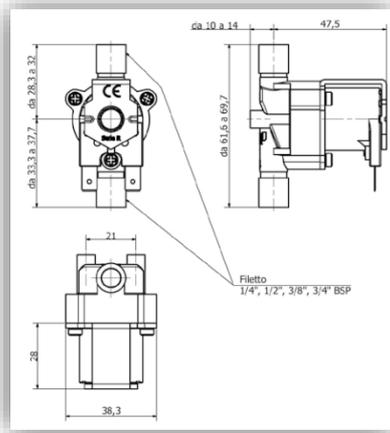
R- MINI Series

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- Compact: valves dimensions are 6,5x3,8cm
- High Performances: flow rates beyond 70L/min with pressure from 0,2 to 10 bar
- Modular: bodies available with connections: BSP thread, J. Guest, Hose Tail
- Precise, accurate and repeatable
- Reliable, with a long service life
- 100% tested before delivery





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R- MINI Series

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PHYSICAL SPECIFICATIONS

Valve body: PA 66 - 30% GF
 Diaphragm: NBR; EPDM; LSR
 Core: Stainless steel
 Coils: F class (155°)
 Assembly: With screws, serviceable

WORKING SPECIFICATIONS

Working pressure: 0,2 - 10 bar
 Room temperature: Tu 60° C
 Fluid temperature: Tm 25° C - Tm 60° C - ED 100%
 Tm 90° C (3 ON - 5 OFF)
 Orifice: ND 11 mm
 Control: NC; NO; Latching
 Fluid direction: Unidirectional
 CV R Series Mini: See next pages
 CV R Series Mini G: 27,07 L/min

ELECTRICAL CONNECTIONS

Faston 6,3 x 0,8 mm
 Unipolar wires max 5000 mm
 Bipolar wires max 5000 mm



Modello Model	IN	OUT	Diametro nominale Nominal diameter	M.O.Q. (pcs)	Filtro Filter (IN)	Regolatore Regulator (IN)	Check valve (IN)	Staffa Bracket	Riduttore Restrictor (OUT)	Check valve (OUT)
210	1/8" F	1/8" F	11 mm	160						
310	1/4" F	1/4" F	11 mm	160						
311	1/4" M	1/4" M	11 mm	160						
410	3/8" F	3/8" F	11 mm	160						
411	3/8" M	3/8" M	11 mm	160						
510	1/2" F	1/2" F	11 mm	160						
511	1/2" M	1/2" M	11 mm	160						
611	3/4" M	3/4" M	11 mm	160	✓					
015	PG 10 mm	PG 10 mm	11 mm	160						
1145	JG 8 mm	JG 8 mm	11 mm	160						



Modello Model	IN	OUT	Diametro nominale Nominal diameter	M.O.Q. (pcs)	Filtro Filter (IN)	Regolatore Regulator (IN)	Check valve (IN)	Staffa Bracket	Riduttore Restrictor (OUT)	Check valve (OUT)
118	JG 1/4"	JG 1/4"	11 mm	160			✓		✓	✓
119	JG 3/8"	JG 3/8"	11 mm	160			✓		✓	✓
113	JG 6 mm	JG 6 mm	11 mm	160			✓		✓	✓
1146	JG 8 mm	JG 8 mm	11 mm	160			✓		✓	✓
115	JG 10 mm	JG 10 mm	11 mm	160			✓		✓	✓
117	JG 15 mm	JG 15 mm	11 mm	160						

Legenda / Key:

PG = Portagomma / Hose tail

JG = Attacco rapido / Quick coupling

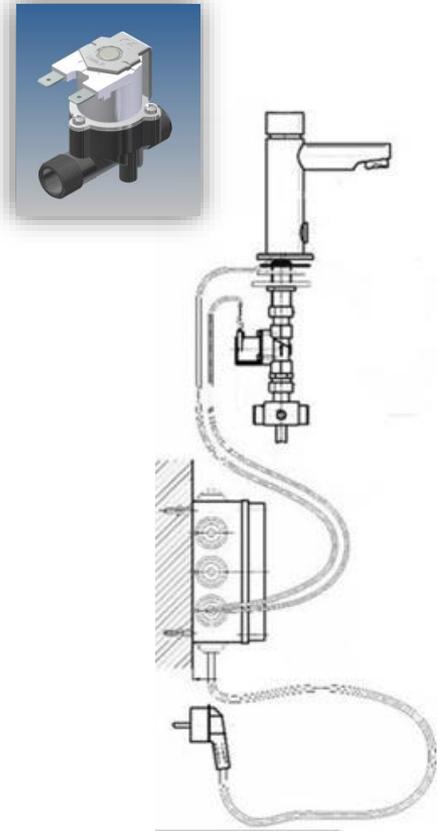


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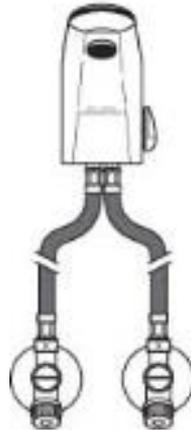
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Possible configurations



1. With manual mixing



2. With under-sink mixing regulation



3. Mono water



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RPE MICRO

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3V

4,5V

6V

12V

24V

4 DIFFERENT
VERSIONS



FEATURES

1. COMPACT

- Micro series measures 4,3x2,5cm Extremely small dimension perfect for Automatic FAUCETS

2. LONG LIFE

- The high-tech plastic materials are guarantee of durability

3. PERFORMANCE

- High flow and Low water hammer

4. LOW POWER CONSUMPTION

Voltage	Consumption	Power
3V	550mA	1W
4,5V	350mA	1,6W
6V	200mA	1,2W
12V	130mA	1,6W



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RPE MICRO

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RPE MICRO Range of voltage



SPECIFICATIONS

Model: 3 V Latching
Timing pulse: 15 ms
Protection: IP 55
Pulse shape: Rectangular pulse
Power (20° C): 1 W
Consumption (20° C): 330 mA



SPECIFICATIONS

Model: 4,5 V Latching
Timing pulse: 15 ms
Protection: IP 55
Pulse shape: Rectangular pulse
Power (20° C): 1 W
Consumption (20° C): 225 mA



SPECIFICATIONS

Model: 6 V Latching
Timing pulse: 15 ms
Protection: IP 55
Pulse shape: Rectangular pulse
Power (20° C): 1 W
Consumption (20° C): 165 mA



SPECIFICATIONS

Model: 12 V NC
Timing pulse: -
Protection: IP 55
Pulse shape: -
Power (20° C): 1,6 W
Consumption (20° C): 130 mA



SPECIFICATIONS

Model: 24 V NC
Timing pulse: -
Protection: IP 55
Pulse shape: -
Power (20° C): 1,6 W
Consumption (20° C): 165 mA

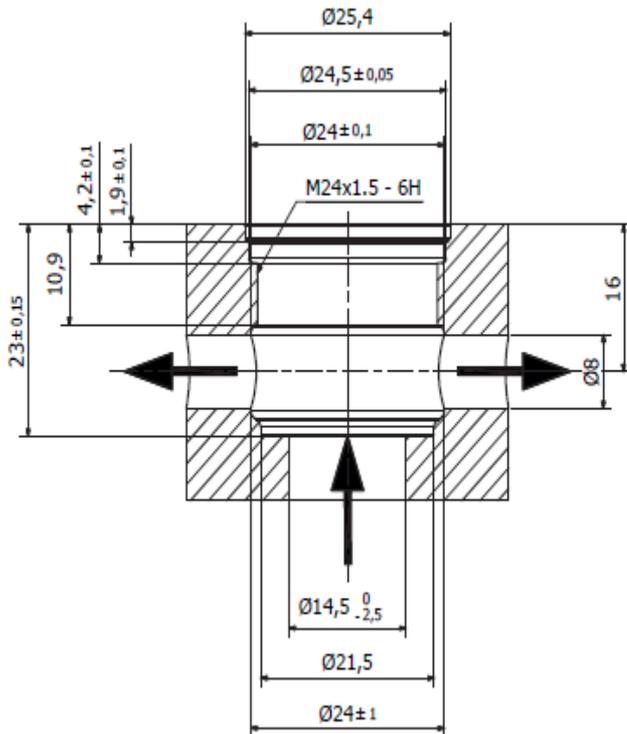


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RPE MICRO

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WORKING CHARACTERISTICS

Working pressure	0,2 - 8 bar / 2,9 - 116 psi
Room temperature	Tu 60°C
Fluid temperature	Tm 90°C
Control	Latching - NC
Orifice	DN 8 mm
Flow direction	Unidirectional
Working position	Universal

WATER CONNECTIONS

Inlet	M24 X 1,5
Outlet	OR seat

ELECTRICAL CONNECTIONS

Connection	Unipolar cables L 200mm
Connection	Cables with IP68



Micro Rpe Assembly

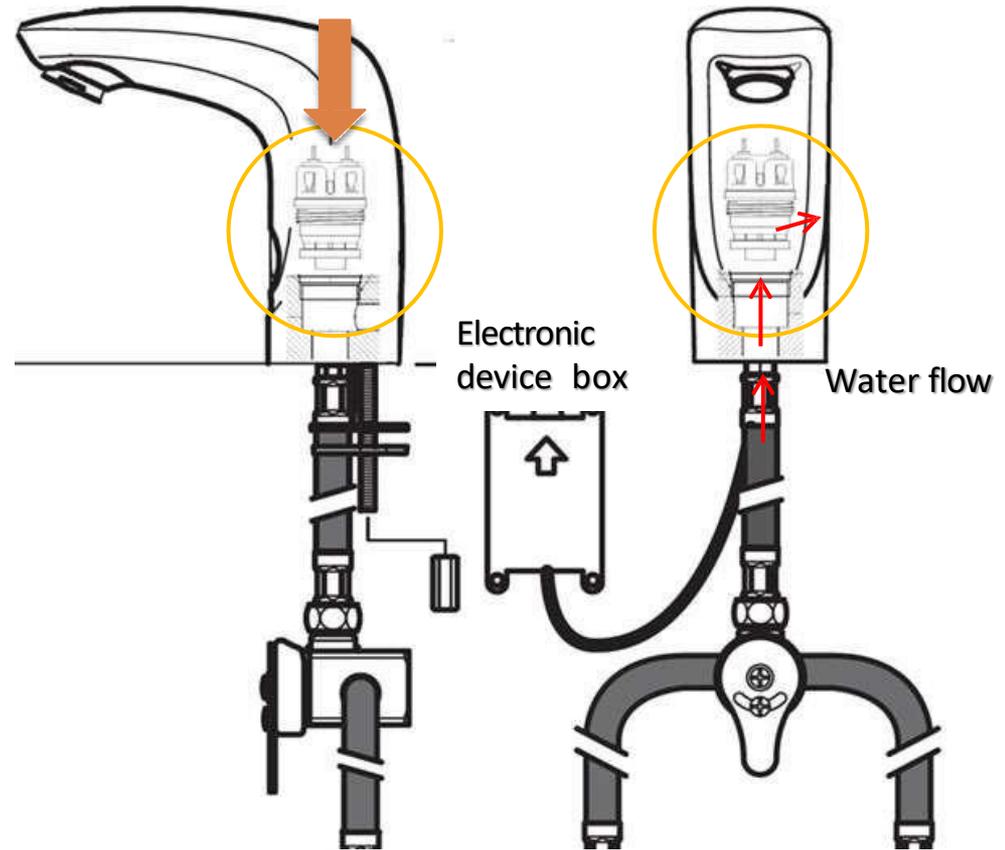
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- Electronic Faucets
- Household applications

ASSEMBLY PROCEDURE IS SIMPLE

- *Just push the MICRO on the
valve seat and screw it in!* -





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CHARACTERISTICS



- 2/2 WAY DN 8 - UNIDIRECTIONAL
- CONTROL: NORMALLY CLOSED, LATCHING
- WORKING PRESSURE: 0,5-10BAR (7.25-145PSI)
- FULLY FOOD GRADE APPROVED
- FLUID TEMPERATURE: TM 90°C (194°F)



AXIAL VALVE RPE

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ELECTRICAL FEATURES



NEW MICRO RPE	POWER (20° C)	CONSUMPTION (20° C)	RESPONSE TIME
3V LATCHING	1 W	330 mA	15ms
4,5V LATCHING	1 W	225 mA	15ms
6V LATCHING	1 W	165 mA	15ms
12V DC NC	1,6 W	130 mA	15ms
24V DC NC	1,6 W	130 mA	15ms

ELECTRICAL CONNECTIONS

STANDARD	OPTIONAL
FLYING CABLES LENGTH 200mm	MALE OR FEMALE CONNECTORS IP 68 CABLE LENGHT 100mm





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OUTET

**QUICK COUPLING
PUSH FIT
JOHN GUEST 8mm**

EASY MOUNTING

**MAX
PRESSURE**

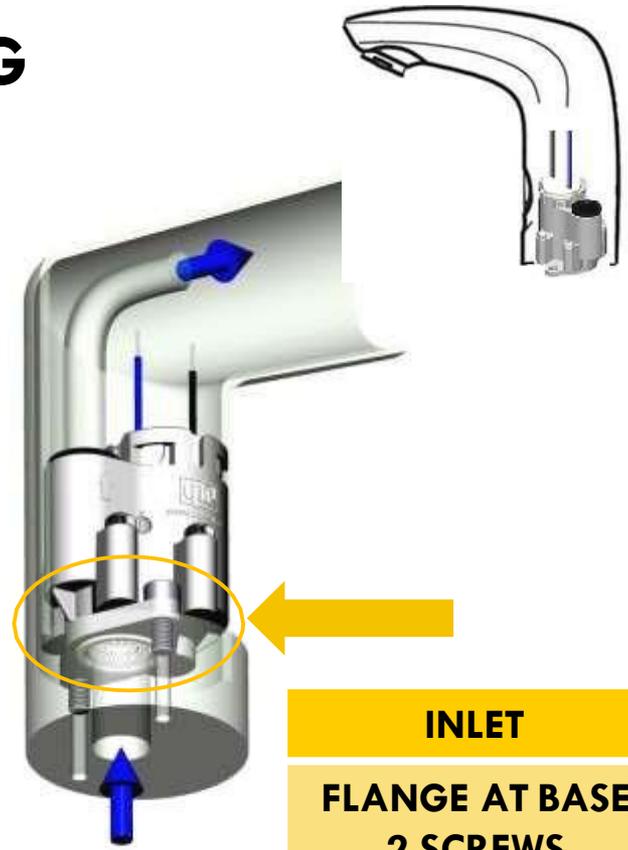
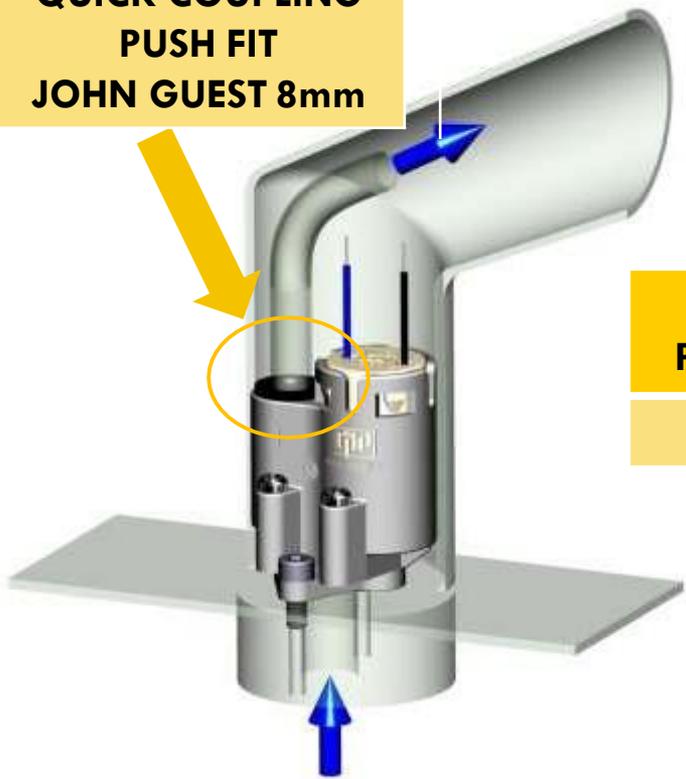
10 Bar

**Kv
VALUE**

13,58 L/min

INLET

**FLANGE AT BASE
2 SCREWS**



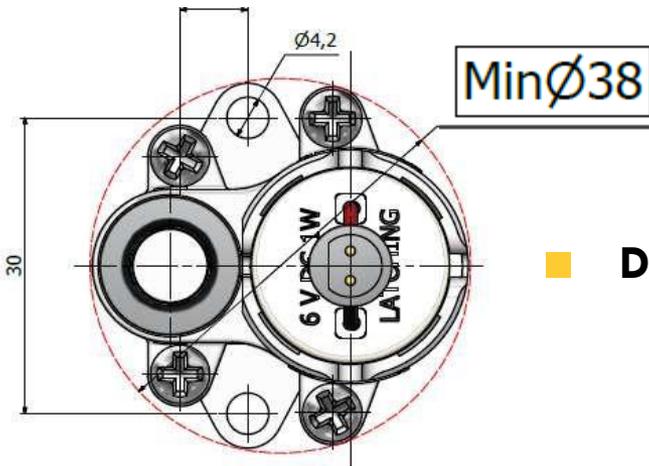


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COMPACT AND PERFORMANT

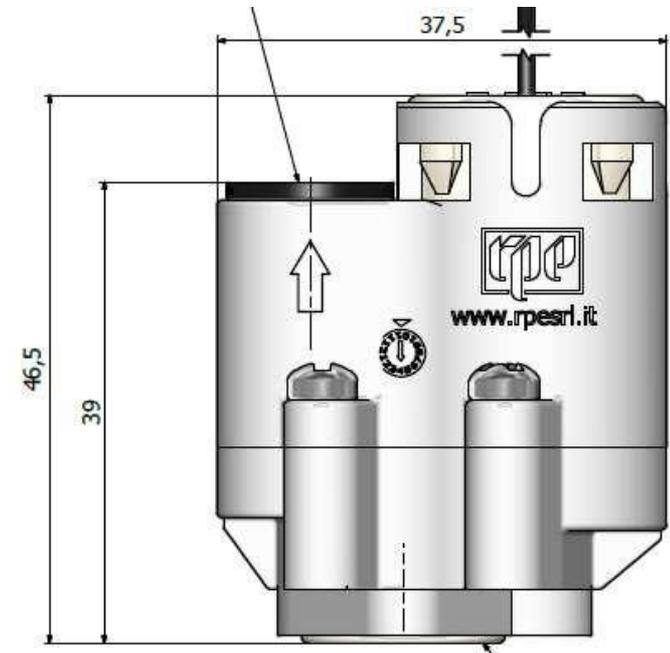


■ **DIAMETER: 38mm**

■ **HEIGHT: 46,5mm**

STANDARD

INLET FILTER 50 MESH



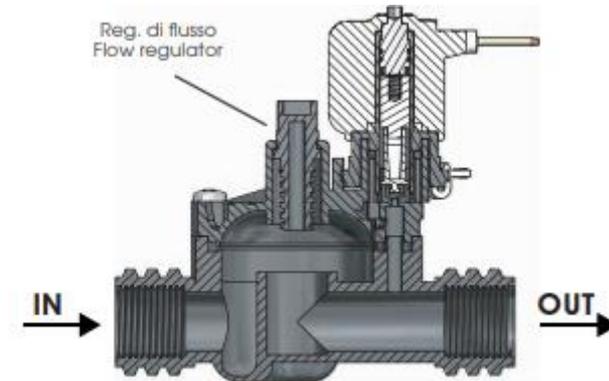


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3rd Series

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PHYSICAL SPECIFICATIONS

Valve body:	PA 66 - 30% GF
Diaphragm:	NBR
Core:	Stainless steel
Coils:	F Class (155°)
Assembly:	With screws, serviceable

WORKING SPECIFICATIONS

Working pressure:	0,5 - 10 bar
Room temperature:	Tu 60° C
Fluid temperature:	Tm 60° C - ED 100%
Orifice:	ND from 15 mm to 50 mm
Control:	NC; NO; Latching
Fluid direction:	Unidirectional

ELECTRICAL CONNECTIONS

Faston 6,3 x 0,8 mm
Unipolar wires max 600 mm
Bipolar wires 5000 mm

Modello Model	IN=OUT	M.O.Q. (pcs)	Diametro nominale Nominal diameter	Altezza Height	Lunghezza Length	Larghezza Width
530	1/2" F	24	15 mm	110 mm	114 mm	68 mm
630	3/4" F	24	20 mm	110 mm	114 mm	68 mm
631	3/4" M	24	20 mm	110 mm	114 mm	68 mm
730	1" F	24	25 mm	128 mm	128 mm	90 mm
731	1" M	24	25 mm	110 mm	100 mm	68 mm
830	1" 1/4 F	24	32 mm	128 mm	128 mm	90 mm
930	1" 1/2 F	12	40 mm	145 mm	137 mm	90 mm
1030	2" F	6	50 mm	180 mm	165 mm	120 mm
1131	3" M	6	50 mm	180 mm	170 mm	120 mm



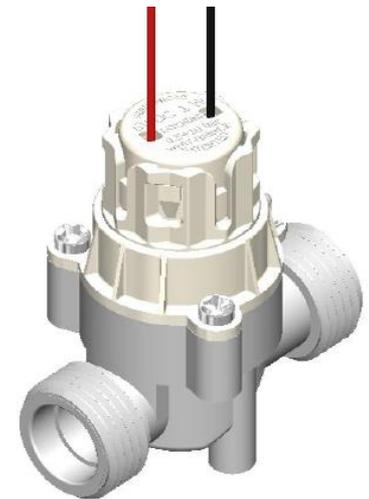
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RPE R-MINI ADAPTOR FOR RPE MICRO

Can be used in any R-MINI Valve Body
90° or 180° no need of any special valve
housing, huge number of hydraulic connections



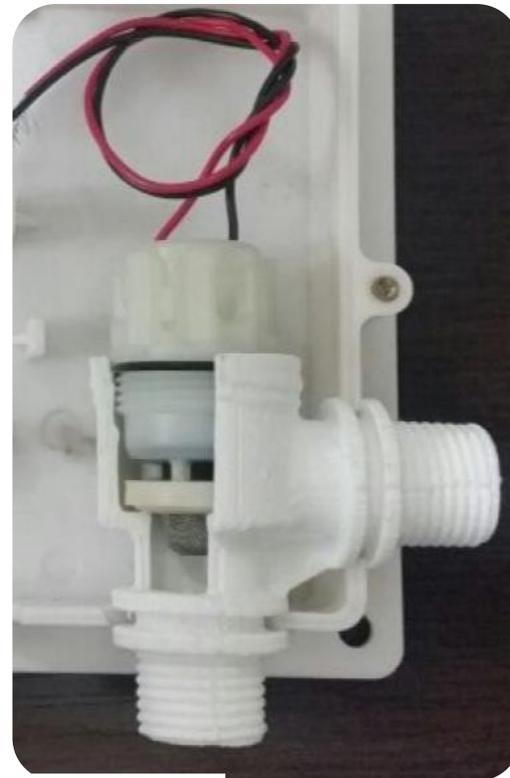
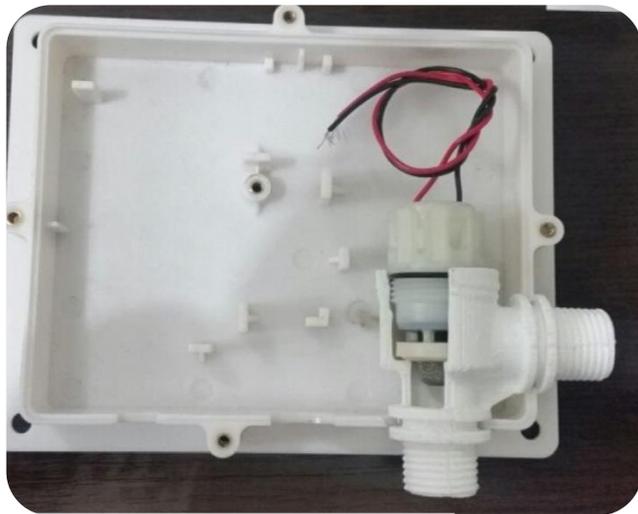


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Special and Customized solutions



**Your new projects are
welcome!**



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RPE recognizes quality control management as a top priority. Managing and improving quality standards is essential in achieving the objectives the market requires and for the positive development of our products

OUR CERTIFICATIONS





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In RPE we pay attention to every single detail
Thanks for the attention



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