

## Product Data Sheet

### QuikSwap Quick Change System for Air Plasma Spray Guns

**Gun changeover in a plasma spray booth is not the most demanding task, but when done frequently, the time adds up and productivity goes down. QuikSwap™ saves time and improves productivity. It is the perfect solution whether changing guns in the same spray booth or moving spray guns between spray booths.**

#### 1 General Description

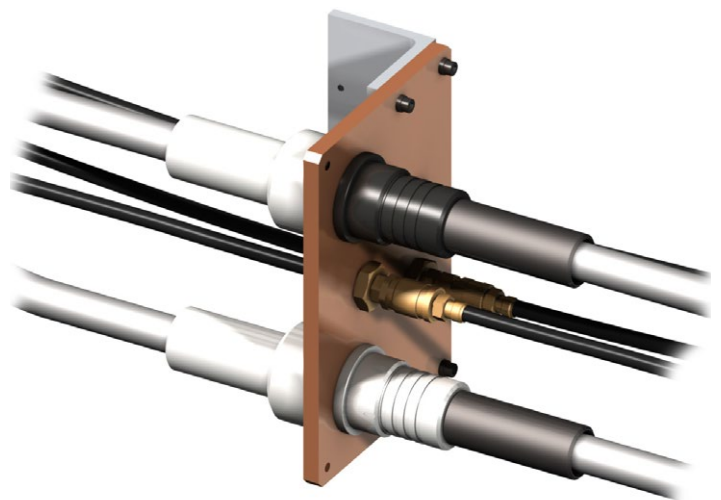
QuikSwap reduces the time required for plasma gun changeover to seconds. It's a simple solution that is ideal for:

- Operations that frequently change spray guns within a single spray booth
- Operations that frequently move spray guns between multiple spray booths
- Mass production operations that need rapid gun changeover for gun maintenance

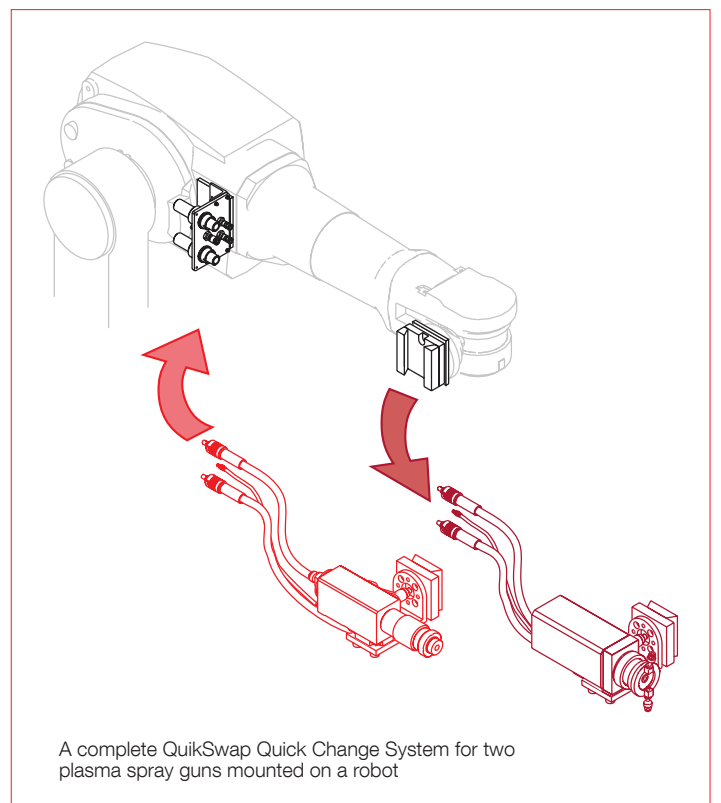
A complete QuikSwap system consists of the QuikSwap and the QuikSwap Gun Coupling Unit. Purchase a QuikSwap system and as many additional QuikSwap Gun Coupling Units as needed. Simply attach the gun cables to QuikSwap and each of the QuikSwap Gun Coupling Units once. Afterwards, just snap off one gun and snap on another. It's that easy.

Need QuikSwap for multiple spray booths? Purchase several complete QuikSwap systems and additional QuikSwap Gun Coupling Units, if required.

The QuikSwap benefit: Simple handling for all single cathode plasma spray guns!

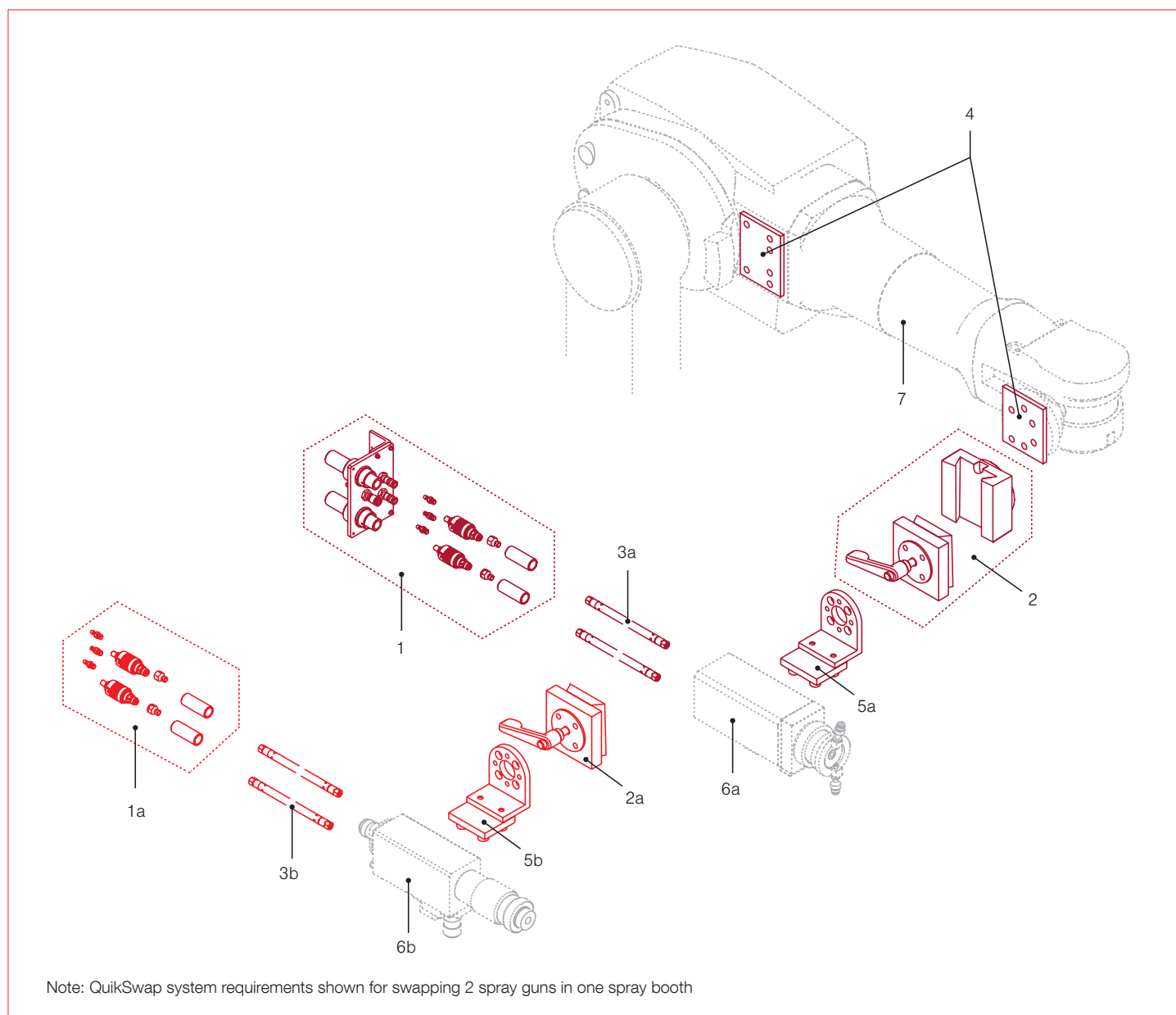


QuikSwap



## 2 QuikSwap Product Structure

### 2.1 Overview






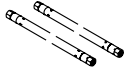








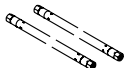
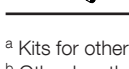
Complete QuikSwap System (1 <sup>st</sup> Spray Gun)		Gun Adapter Units for Additional Guns	
1	QuikSwap	1a <sup>a</sup>	QuikSwap Hose and Cable Connectors
2	QuikSwap Gun Coupling Unit	2a <sup>a</sup>	QuikSwap Gun Coupling Connector
3a	QuikSwap Hose and Cable Set	3b	QuikSwap Hose and Cable Set
4	Set of Robot Mounting Plates		
5a <sup>c</sup>	Gun Mounting Bracket	5b <sup>c</sup>	Gun Mounting Bracket
6a <sup>b</sup>	Spray Gun	6b <sup>b</sup>	Spray Gun
7 <sup>b</sup>	Robot		

<sup>a</sup> Included in QuikSwap Connector Kit (see Section 2.2)

<sup>b</sup> Shown for illustration purposes only; not included with QuikSwap Quick Change System

<sup>c</sup> Specify gun and robot used; bracket shown here is for illustration purposes and actual configuration will vary depending on the spray gun; see Section 2.2.

## 2.2 Order Details – QuikSwap System / Kits <sup>a</sup>

Description	Quantity	Order No.
<b>QuikSwap Complete System (1<sup>st</sup> Spray Gun)</b>		
<b>QuikSwap Components:</b>		
 QuikSwap (includes hose and cable connectors in the QuikSwap Connector Kit)	1	1076693
 QuikSwap Gun Coupling Unit (includes QuikSwap Gun Coupling Connector in the QuikSwap Connector Kit)	1	
<b>Gun Mounting Bracket:</b>		
 Gun Mounting Bracket; specify spray gun model and robot	1	Supplied on Request
<b>QuikSwap Hose and Cable Set (specify spray gun model):</b>		
 PT style hoses, 2 m (6.5 ft) <sup>b</sup>	1	1018776
 Metco style hoses, specify length <sup>c</sup>	1	1034390
<b>Set of Robot Mounting Plates:</b>		
 ABB IRB 2400	1	1076695
ABB IRB 4400	1	Supplied on Request
ABB IRB 6400	1	
Fanuc M20	1	
Fanuc 720	1	
<b>QuikSwap Components for Additional Spray Guns</b>		
<b>QuikSwap Connector Kit:</b>		
 Water/Power LH (-) Connector	1	1076694
 Water/Power RH (+) Connector	1	
 Plasma Gas Connector	1	
 Compressed Air Connector	2	
 QuikSwap Gun Coupling Connector	1	
<b>Gun Mounting Bracket:</b>		
 Gun Mounting Bracket; specify spray gun model and robot	1	Supplied on Request
<b>QuikSwap Hose and Cable Set (specify spray gun model):</b>		
 PT style hoses, 2 m (6.5 ft) <sup>b</sup>	1	1018776
 Metco style hoses, specify length <sup>c</sup>	1	1034390

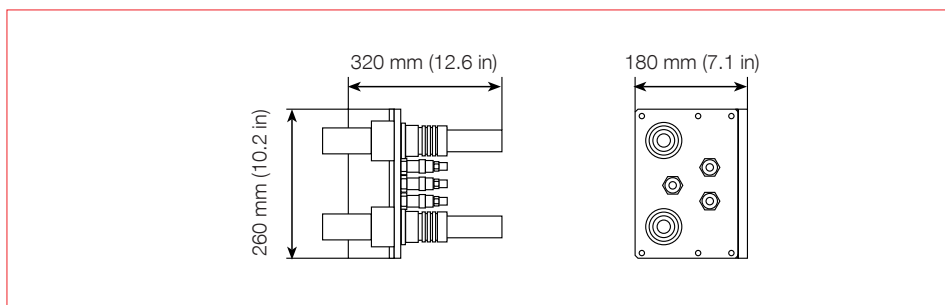
<sup>a</sup> Kits for other robot models available on request; gun model must be specified; please contact Oerlikon Metco System Sales for more information

<sup>b</sup> Other lengths on request

<sup>c</sup> Minimum length: 1.5 m (5 ft)

### 3 Technical Data

#### 3.1 Dimensions



#### 3.2 Specifications

##### QuikSwap Quick Change System

Weight	6 kg	13.2 lb
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##### Water / Power Connectors

Water Connection		
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Diameter	8 mm	0.31 in
Max. Operating Pressure	20 bar	290 psi
Residual Leakage During Disconnection	0.026 cm <sup>3</sup>	0.01 in <sup>3</sup>

Power Transmission		
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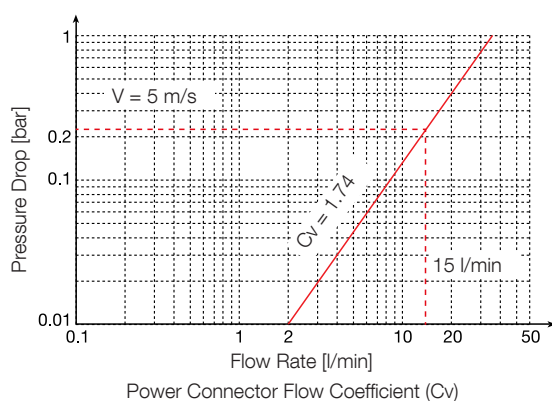
Contact Resistance	10 μΩ	
Nominal Current max.	1000 A	

Coupling		
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Extraction Force	80 N	18 lbf
Insertion Force	120 N	27 lbf

##### Environment

Temperature	+0 to +100 °C	+32 to +212 °F
Humidity	< 75 %, non-condensing	



Information is subject to change without prior notice.