

Pneumatic Feed Assist - PFA



Application



Why?

Why using a wire feed assist? The PFA is used at those installations in which a long cable run cannot be avoid.
10 Meter, 20 or 30 Meter? the PFA makes it possible.

How?

The air-powered motor pushes the wire to the outer corner of the conduit. The pushing-force is adjusted in a way that the motor keeps the wire at a mechanical tension. If welding starts the wire is pulled into the inner-corner which will undo the resistance and makes the air-motor run freely.
This process makes the wire float between the inner and outer corners inside the conduit.



Features

- Works independent, NO SIGNAL NEEDED, shop air only
- Feeds wire up to 30 Mtr.
- Works with all wires and all welding machines
- Reduces, drag, wear and arc failures
- Increases conduit life, feeder life and production

Wire Feed Assist 2

PFA Classic model oiled motor



- Advantages:**
- Quick roll exchange
 - Small housing
 - Suited for SAW



All items included in standard set

Product	Part no	Product	Part no
PFA unit for 1,0 mm wire (installation set included)	PFA10	U-groove Feed roll 1,0mm for PFA (per piece)	WW072000
PFA unit for 1,2 mm wire (installation set included)	PFA12	U-groove Feed roll 1,2mm for PFA (per piece)	WW053701
PFA unit for 1,4 mm wire (installation set included)	PFA14	U-groove Feed roll 1,4mm for PFA (per piece)	WW053702
PFA unit for 1,6 mm wire (installation set included)	PFA16	U-groove Feed roll 1,6mm for PFA (per piece)	WW053706
Other diameters at request		Other diameters at request	

New PFA-RB with oil-free motor



- Advantages:**
- Oil-free motor
 - Exact roller alignment
 - Closed gear box
 - Easy reversible



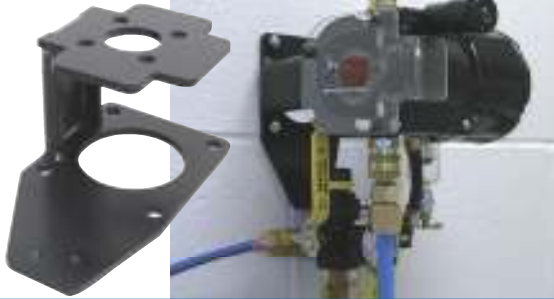
All items included in standard set

Product	Part no	Product	Part no
PFA unit for 1,0 mm wire (installation set included)	PFA10RB	U-groove Feed roll 1,0mm for PFA (per piece)	PFADR10
PFA unit for 1,2 mm wire (installation set included)	PFA12RB	U-groove Feed roll 1,2mm for PFA (per piece)	PFADR12
PFA unit for 1,4 mm wire (installation set included)	PFA14RB	U-groove Feed roll 1,4mm for PFA (per piece)	PFADR14
PFA unit for 1,6 mm wire (installation set included)	PFA16RB	U-groove Feed roll 1,6mm for PFA (per piece)	PFADR16
Other diameters at request		Other diameters at request	

Feed Assist Accessories

Wall mount bracket

PFA-WM



Advantages:

- PFA no longer mounted at drum cone
- Easy drum replacement
- No longer dependent on drum shape

PFA can be mounted to the wall/cell above the drum

Fits both PFA-models is supplied with bolts



Order one extra inlet adapter
Either with quick disconnect
or ceramic insert

Single Solenoid kit

Solenoid valve kit used to reduce air consumption by the PFA during down time.

This 24 Volt valve kit is supplied with 10 Mtr cable and the needed 3/8 thread connectors and is mounted at FRL entrance.

The signal the solenoid uses can be connected parallel to the gas valve, or in case of SAW welding, parallel with the flux valve, in both cases the PFA will always be powered during welding.



Item no. PFA-SK

Double Solenoid kit for classic PFA with OILED-MOTOR

Double action solenoid valve kit used at classic PFA to feed and retract the wire if needed

Kit is supplied with:

- Filter/Regulator
- Liquidator (oil-unit)
- 24Volt Solenoid valve
- 2x 10 meter electrical cable
- 2x 2 meter pneumatic hose 8mm
- Pneumatic quick connectors 8mm with 1/4 thread
- Low threshold quick exhaust for motor outlet
- Exhaust filter



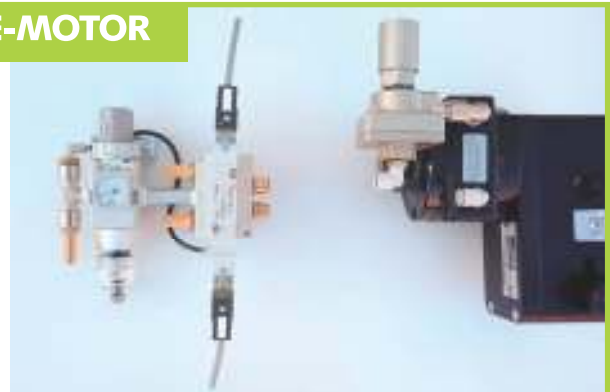
Item no. PFA-SK2

Double Solenoid kit for PFA-RB with OIL-FREE-MOTOR

Double action solenoid valve kit used at PFA-RB to feed and retract the wire if needed

Kit is supplied with:

- Filter/Regulator
- 24Volt Solenoid valve
- 2x 10 meter electrical cable
- 2x 2 meter pneumatic hose 8mm
- Pneumatic quick connectors 8mm with 1/4 thread
- Low threshold quick exhaust for motor outlet
- Exhaust filter



Item no. PFA-FRSK

Solenoid needs to be powered by the robot controller