

FFRS 2000 and FFRS 3000

Flux Feed and Recovery Systems

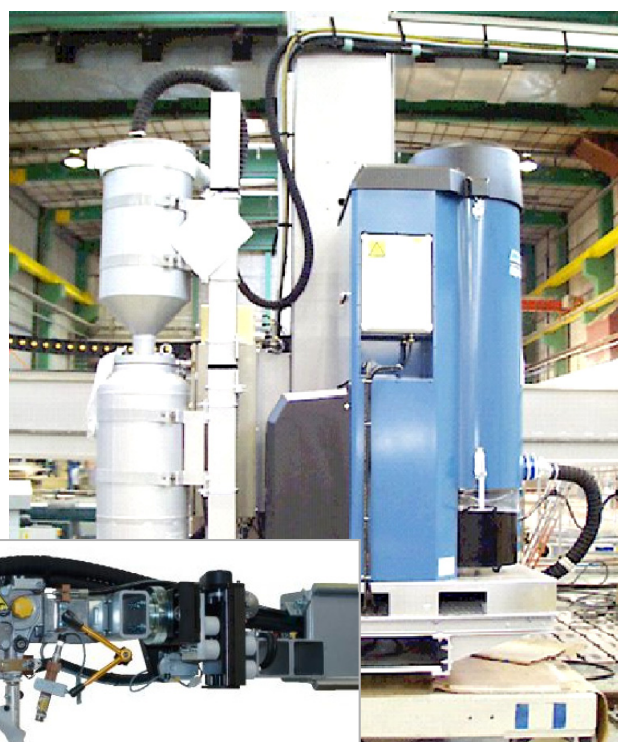
Efficient handling puts economy into your welding

- Automatic flux recovery means better welding economy
- Silent electrical vacuum unit
- Flux dust separated automatically in a pre-separator
- Efficient filtration of used air

An investment in these systems takes you a step forward to better welding economy.

Benefits include:

- Fewer weld stops
- Reduced flux consumption
- Gain savings on material costs. In addition to lower flux consumption there will be less spillage.
- The work area can be kept cleaner and safer to work in.
- Manual handling can be kept at a minimum. The operator can attend to more important tasks.



The degree of automation in the flux handling can be determined according to type of welding station and individual requirements.

The FFRS system is designed for continuous, high-capacity welding operations. It is ideal for long runs and mass production. The system is built on two different principles, the FFRS Basic and Super (see fact sheet XA00104820) are based upon the ejector vacuum principle while the FFRS 2000 and 3000 are based upon an electric suction unit creating a vacuum.

FFRS 2000 and FFRS 3000

The vacuum performance is designated FFRS 2000 and FFRS 3000 and is the alternative when extra high recovery force is required.

In confined areas, they are the ideal flux handling equipment.

The flux is delivered from the pressure tank to the welding head's flux hopper and dispersed to the weld bead. After welding, excessive flux is recovered by means of the electrically powered recovery unit from the suction nozzle through the suction hose to the primary separator. The recovered flux is separated from dust and slag in the pre-separator, and passed back to the pressure tank for re-use. FFRS 2000 and FFRS 3000 are no doubt the ultimate flux feed and recovery systems when very high demands are in focus.

Environment

Due to the closed system the operator has a much better working environment with fresh air. Low noise level through the use of a discharge air silencer and silencing cover on the vacuum unit also contribute to a better environment.

Flux feeding and recovery system	FFRS 2000	FFRS 3000
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Weight kg *)	320	400
Dimensions LxWxH mm **)	1100x800x2210	750x450x2210

*) without flux **) Suction unit dimensions below

Suction unit for	FFRS 2000	FFRS 3000
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Power, W	2000	3000
Mains supply, V/Hz	400/3~50	400/3~50 others on request
Fuse, A	16	16
Max vacuum, kPA	-30	-25
Max air flow capacity, m ³ /h	240	270
Sound level, dB	71	63
Filter area, m ²	3	3
Filtration efficiency, %	99.95	99.95
Life-span of filter, work hours	4000-6000	4000-6000
Weight, kg	74	194
Dimensions LxWxH, mm	950x640x1200	1200x690x2000

Primary separator for	FFRS 2000	FFRS 3000
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Volume	50	50
Dimensions, approx.	450x700	450x900

Air flux feeder TPC-75, see separate leaflet XA00009320

Basic contents in FFRS 2000/3000

- Flux pressure tank TPC-75, holding max 75 litres
- Primary separator (above the TPC-75, holding max 45 litres)
- Motor-driven vacuum unit with dust filter bag (2.0 kW/3.0 kW)
- Common mounting post for the TPC-75, the primary separator and the vacuum unit (vacuum unit only for 2000 system)
- Air pressure regulator with water trap
- Flux suction hose: 16 m
- Suction hose between the primary separator and the vacuum unit (2000; 2 m, 3000; 5 m)
- Air central with 25 m air hose 1/2" included
- Flux suction nozzles, fixing bracket and bent inlet for flux hopper
- Flux feeding hose, 25 m included (20 m for heated systems)

Ordering information

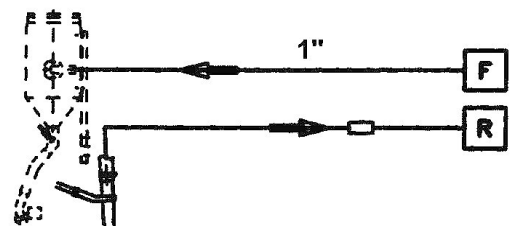
FFRS 2000	0809 914 893
FFRS 2000 with heaters	0809 914 894
FFRS 3000	0809 914 887
FFRS 3000 with heaters	0809 914 888

Accessories FFRS

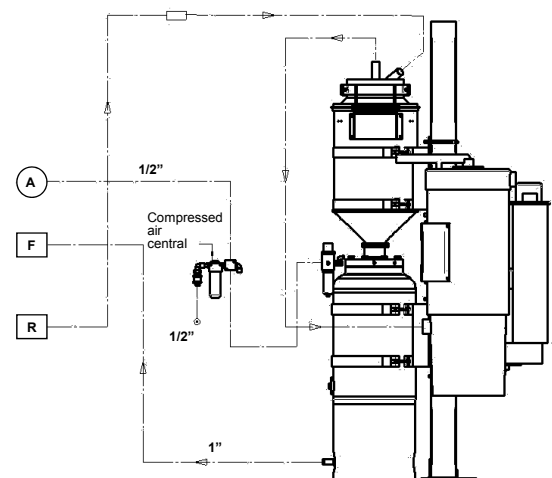
Straight inlet to flux hopper	0186 961 880
Extra hopper with inlet	see leaflet FFRS XA00104820
Air pressure hose 1/2"	0190 343 106 (max 50 m) ***
Suction hose D47/38	0379 016 001 (max 12 m) ***

***) Length acc to customer requirement

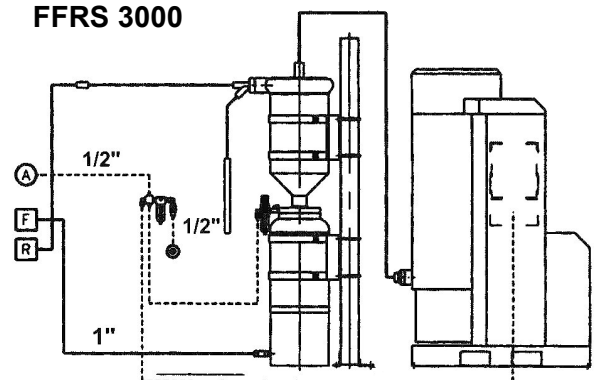
Flux Feeding and Recovery System FFRS 2000/3000



FFRS 2000



FFRS 3000



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