

ASSORTMENT

Kjellberg flux systems for submerged arc welding are part of the Kjellberg welding automats.

They can be expanded by flux recovery units, pressure conveyor systems and fine dust filters. Existing welding systems can be retrofitted on request.



Flux Recovery well-proven & flexible

Flux Feeding System

Kjellberg flux systems guarantee the constant flux feeding for the welding process. They are easy to use manually and are nearly maintenance-free. A sight glass shows the fill level in the reservoir.



Flux system 6 l
with manual flux shutoff device,
sieve and feed hose



Flux system 10 l
with manual flux shutoff device,
sieve and feed hose



Option:
Pneumatic flux shutoff device
Suitable for Kjellberg flux
systems, especially suitable for
columns and booms and welding
gantries; control with supply
voltage 24 V DC

Flux Recovery System (Standard)

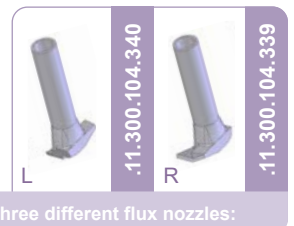
A flux circuit reduces the welding flux consumption. Such a flux recovery is suitable for SA welding tractors and welding heads.



Flux recovery system including
injector, holder for the flux nozzle,
0.5 m suction hose and a flux
nozzle for butt welds



• for butt welds (standard)



• for fillet welds (left or right)

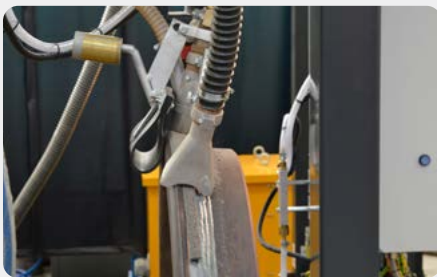
The product range includes three different flux nozzles:

FLUX EQUIPMENT

SUBMERGED ARC WELDING



Flux pressure conveyor



Flux nozzle in use



Suction turbine



Display flux temperature



Pneumatic maintenance unit

Fine Dust Filter

A flux recovery unit with cyclone is available in order to extract the fine dust proportion from the flux circuit and thus to guarantee the flux transport and the high quality of the welding results. The separation is based on the injector principle.

This version is used in combination with external flux systems on welding heads and welding systems.



.17.000.406.380.1

Fine dust filter consisting of flux recovery unit, cyclone, baffle plate and cover, hose connection dia. 50 mm – option: dia. 63 mm



.16.007.116

without top

Filter box with manual de-dusting
Positioning away from the welding workplace, connection to the separator via suction hose of up to 8 m length (art. no. .10.575.0416)

Flux Pressure Conveyor

For the use in automated systems our product range offers flux pressure conveyors in two sizes which can be used in connection with a flux feeding system. They consist of the flux reservoir and the connected cyclone and run along with the gantry or column and boom.

All types are available as heated or unheated versions. The fill level is monitored via sensors.



.16.004.698

Flux pressure conveyor 50 l
plus pressure hose NW 25
(.10.507.053)



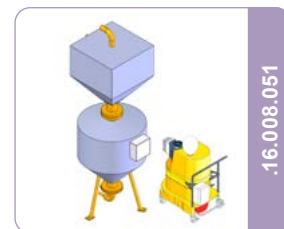
.16.008.499

Flux pressure conveyor 100 l
plus pressure hose NW 25
(.10.507.053)



.16.005.249

Flux pressure conveyor with separator 50 l and suction turbine
(.16.006.066, right on picture)



.16.008.051

Flux pressure conveyor with separator 100 l and suction turbine
(.16.006.066, right on picture)

FLUX EQUIPMENT

SUBMERGED ARC WELDING

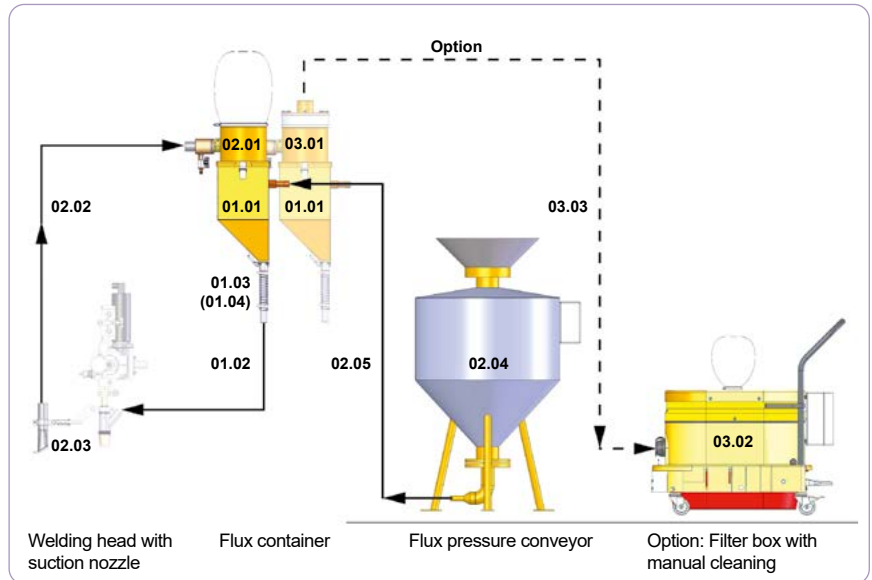


Flux container 10 l with pressure and suction hose



Suction nozzle butt weld

Connection Variants

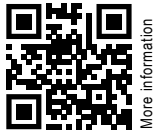


Accessories for basic flux cycle respectively cycle with pressure conveyor and filter box

Standard Flux Supply		Art. no.
01.01	Flux container 10 l with filler neck dia. 25 mm	.11.300.105Y310.1
01.02	Flux supply hose NW 25, 0.55 m lang	.11.300.105.355
01.03	Manual flux valve	.11.300.100.340
01.04	Pneumatic flux valve	.17.000.380.340

Flux Cycle with Presure Conveyor		Art. no.
02.01	Flux recovery KA	.11.300.100.360
02.02	Suction hose cyclon, NW 38, length 1.2 m	.11.200.100.345
02.03	Flux suction nozzle butt weld, standard	.10.575.075
	or Suction nozzle fillet weld right	.11.300.104.339
	or Suction nozzle fillet weld left	.11.300.104.340
02.04	Flux pressure conveyor 50 l, heated (120 °C)	.16.004.698
	or Flux pressure conveyor 100 l, heated (120 °C)	.16.008.499
02.05	Pressure hose NW 25	.10.507.053

Flux cycle with Pressure conveyor and Filter Box		Art. no.
03.01	Separator with hose connector dia. 50 (Standard)	.17.000.406.380.1
	option: top with hose connector dia. 63 mm	.17.000.406.380.3
03.02	Filter box with manual cleaning 35 l	.16.007.116
	or Filter box with pneumatic cleaning 35 l	.16.007.117
03.03	Suction hose separator	.10.575.0416

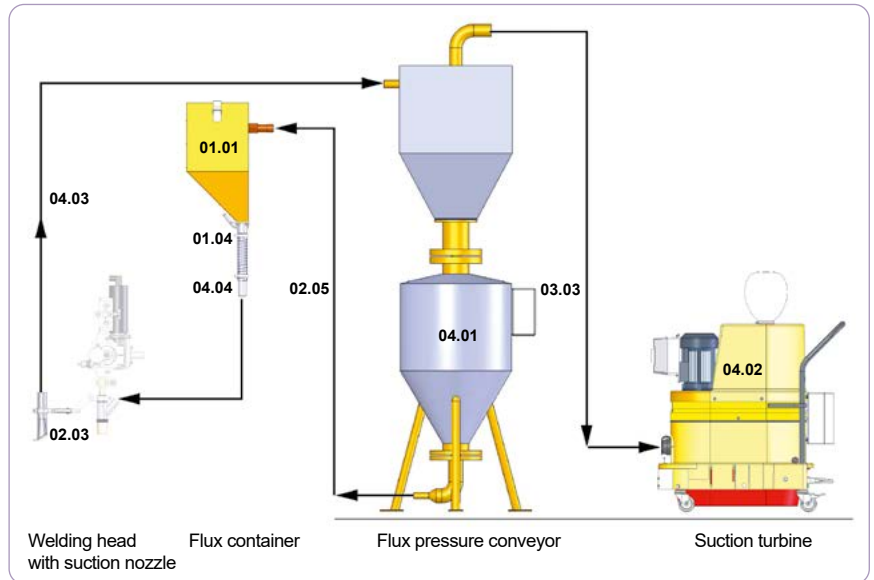


More information

FLUX EQUIPMENT

SUBMERGED ARC WELDING

Connection Variants



Accessories for big flux cycle with pressure conveyor, separator and suction turbine

Flux cycle with Pressure Conveyor and Suction Turbine			Art. no.
04.01	Flux supply 50 l with separator 40 l heated (120 °C)		.16.005.249
	or Flux supply 100 l with separator 80 l heated (160 °C)		.16.008.051
04.02	Suction turbine with manual cleaning		.16.011.168
	or Suction turbine with pneumatic cleaning		.16.006.066
04.03	Suction hose NW 38		.10.575.0410
04.04	Flux supply hose NW 25		.10.507.052



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