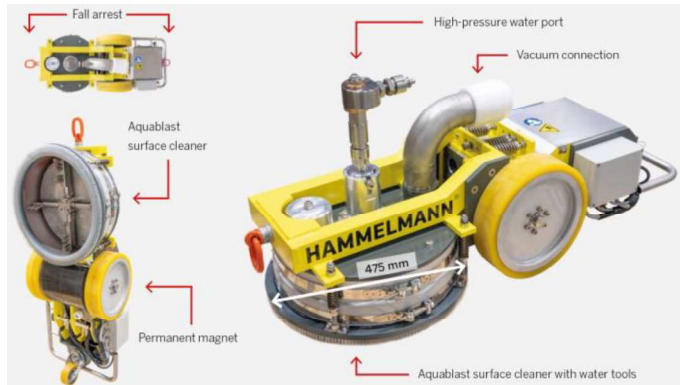


SPIDERJET[®]-M - EDGE 3000 BAR

13.H.10 – 08/2022

The SPIDERJET[®]-M EDGE is a mobile high pressure water cleaning device with two wheels electric motor drive. The unit is attached to the work surface with permanent magnets. Thanks to its small build, the unit is ideal for cleaning particularly close to the edge of the coated area. The vacuum system immediately retrieves all waste water and removed solids and allows for further processing.



- The rotating spray bar fitted in a suction bell is driven by the reaction force of the water jets.
- Leak-free rotary joints with dynamic high-pressure seals ensure long service intervals.
- Direct suction (dry vacuuming) allows working with high pressure water without the effluent (jetted water and removed solids) getting into the environment.
- Maximum manoeuvrability via two independent, electrical drives.
- Portable control panel for one-man operation. (⇒ manoeuvring, working speed, switching the high pressure water ON/OFF)
- The mobile control unit controls and monitors all functions necessary for operation and transmits these to the cleaning unit via a control cable.
- Two fall arresters safeguard against falls from vertical or inclined surfaces.
- The special nozzle arrangement gives a homogeneous removal pattern over the complete working width.
- Simple construction and easy maintenance.
- Ideal surface preparation.
- Cleaning over edges possible.
- Optimal utilization of the working width due to narrow construction.



CODE NO.

SPIDERJET[®]-M EDGE

00.00078.0085

SPIDERJET[®]-M EDGE
with radio remote control

00.00078.0086

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SPIDERJET[®]-M - EDGE 3000 BAR

13.H.11 – 08/2022

APPLICATON

- Cleaning, paint removal and de-coating of horizontal, vertical or inclined surfaces made of steel (ferromagnetic).
- Due to particular arrangements of the drives, it is possible to work very close to the edges.
- Convex work surface with min. radius of 10 m.
- Concave work surface with min. radius of 10 m.
- Not suitable for use in explosive areas.

EXAMPLES OF USE

- Cleaning and paint removal from ships' outer surface.
- Removal of marine growth from ships' hulls.
- External and internal cleaning of large oil storage tanks on oil refineries.

TECHNICAL DATA

Operating pressure:	max. 3000 bar
Working width:	374 mm
Flow rate:	50 l/min
Rotary speed max.:	3000 min ⁻¹
Reaction force max.:	500 N
Surface coverage:	up to 70 m ² /h
Travel speed:	7 m/min
Turning circle:	< 2 m
Sealing system rotating joint:	hydrodynamic sealing system

<u>Drive mode:</u>	
└ HP tool:	reaction force powered
└ Travel drive:	electrical

Number of nozzles:	16 pieces - M10
Nozzle design:	"P" or "T"

<u>Connection:</u>	
└ Suction hose:	i/d 100 mm
└ Water high pressure:	M30 x 2
└ Mains electric supply to control panel:	230 ±10 V 16 A, 50/60 Hz

Tension on control cable; suction and high pressure hose:	max. 20 kg (<u>support at 10 m</u>)
Control cable length:	50 m

Dimensions (L x W x H):	1140 x 620 x 501 mm
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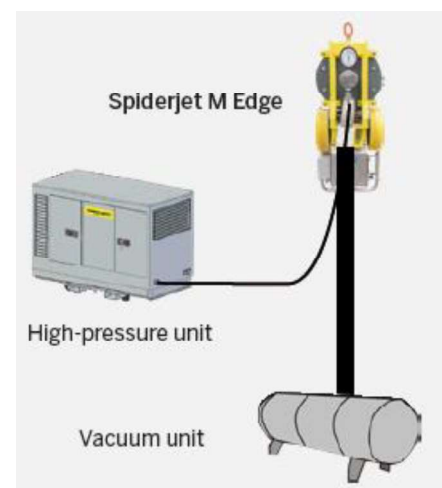
Weight (without accessories):	100 kg
└ with radio control:	235 kg

* Nozzle calculation with „Water Jetting Calculator“: www.water-jetting-calculator.com/nozzlecalculation

Radio remote control



Construction



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SPIDERJET[®]-M - EDGE 3000 BAR

13.H.12 – 08/2022

ACCESSORIES (PART OF SUBASSEMBLY)

Description	Code no.
<p>CONTROL PANEL / CABLE TROLLEY</p> <p>Dimensions (L x W x H): 1165 x 600 x 627 mm</p> <p>Weight: 90 kg</p>	<p>00.05150.0024</p>
<p>SAFETY ARRESTER</p> <p>Fall protection with automatic rope retraction device</p> <p>Rope length: 32 m</p> <p>Weight: approx. 20 kg</p>	<p>04.04060.0004</p> <p>(2 pieces required: 1 x right & 1 x left)</p>



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SPIDERJET[®]-M - EDGE 3000 BAR

13.H.13 – 08/2022

ACCESSORIES (OPTIONAL)

Description	Code no.
<p>VACUUM SYSTEM - 660</p> <p>System for extraction and pre-filtering of extracted HP water</p> <p>Weight: approx. 1860 kg</p>	<p>00.05480.0019</p> <p>(further information: see chapter 13.K)</p>
<p>SUCTION HOSE</p>	<p>see chapter 13.K</p>
<p>TRANSPORT DEVICE for SPIDERJET[®]-M</p> <p>Weight: approx. 105.0 kg</p>	<p>00.06034.0010</p>
<p>CONVERSION KIT - BRUSH SEALING - for SPIDERJET[®]-M Edge</p> <p>Weight: approx. 5.4 kg</p>	<p>00.04011.0209</p>



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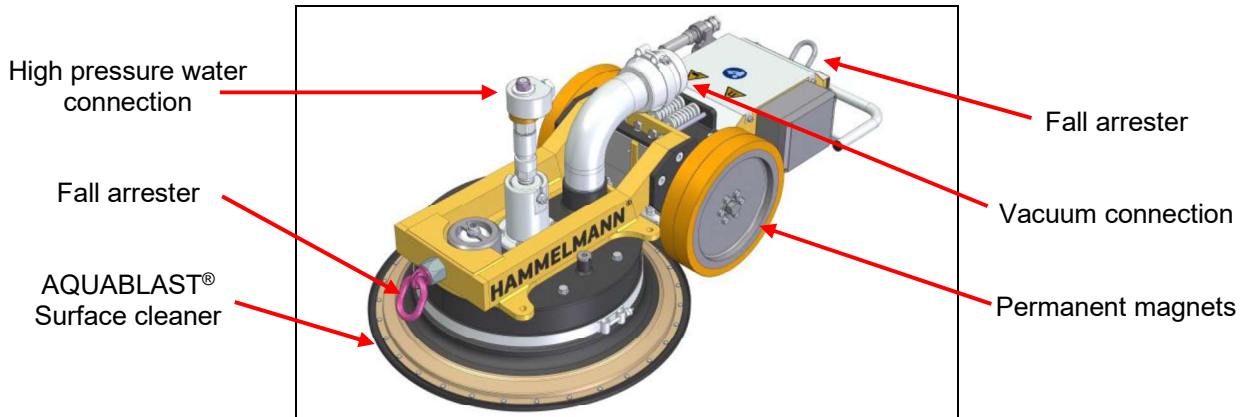
SPIDERJET®-M - EDGE - ATEX

3000 BAR

13.H.14 – 08/2022

The SPIDERJET®-M EDGE ATEX is a mobile high pressure water cleaning device with two wheels electric motor drive. The device is designed for use in hazardous zones in accordance to ATEX directive II 3 G Ex h IIC T4 Gc.

The SPIDERJET®-M EDGE ATEX is attached to the work surface with permanent magnets. Thanks to its small build, the unit is ideal for cleaning particularly close to the edge of the coated area. The vacuum system immediately retrieves all waste water and removed solids and allows for further processing.



- The rotating spray bar fitted in a suction bell is driven by the reaction force of the water jets.
- Leak-free rotary joints with dynamic high-pressure seals ensure long service intervals.
- Direct suction (dry vacuuming) allows working with high pressure water without the effluent (jetted water and removed solids) getting into the environment.
- Maximum manoeuvrability via two independent, electrical drives.
- Portable control panel for one –man operation. (⇒ manoeuvring, working speed, switching the high pressure water ON/OFF)
- The mobile control unit controls and monitors all functions necessary for operation and transmits these to the cleaning unit via a control cable.
- Two fall arresters safeguard against falls from vertical or inclined surfaces.
- The special nozzle arrangement gives a homogeneous removal pattern over the complete working width.
- Simple construction and easy maintenance.
- Cleaning over edges possible.
- Optimal utilization of the working width due to narrow construction.
- Ideal surface preparation.



CODE NO.

SPIDERJET®-M EDGE ATEX	00.00078.0087
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SPIDERJET®-M EDGE ATEX with radio remote control	00.00078.0088
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SPIDERJET[®]-M - EDGE - ATEX 3000 BAR

13.H.15 – 08/2022

APPLICATION

- Cleaning, paint removal and de-coating of horizontal, vertical or inclined surfaces made of steel (ferromagnetic).
- Due to particular arrangements of the drives, it is possible to work very close to the edges.
- Convex work surface with min. radius of 10 m.
- Concave work surface with min. radius of 10 m.
- Not suitable for use in explosive areas.

EXAMPLES OF USE

- Cleaning and paint removal from ships' outer surface.
- Removal of marine growth from ships' hulls.
- External and internal cleaning of large oil storage tanks on oil refineries.

TECHNICAL DATA

Operating pressure:	max. 3000 bar
Working width:	374 mm
Flow rate:	50 l/min
Rotary speed max.:	3000 min ⁻¹
Reaction force max.:	500 N
Surface coverage:	up to 70 m ² /h
Travel speed:	7 m/min
Turning circle:	< 2 m
Control compressed air:	17 l/s at 6.3 bar
Sealing system rotating joint:	hydrodynamic sealing system

<u>Drive mode:</u>	
└ HP tool:	reaction force powered
└ Travel drive:	pneumatically

Number of nozzles:	16 pieces - M10
Nozzle design	"P" or "T"

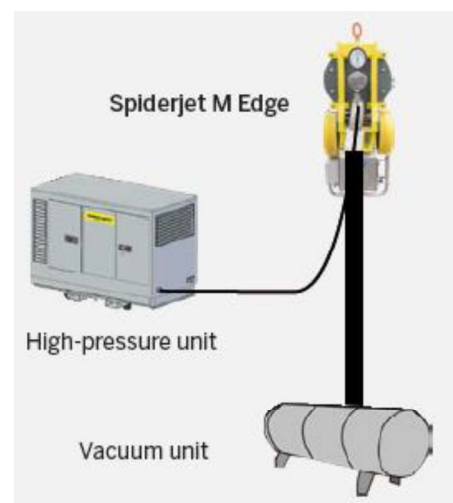
<u>Connection:</u>	
└ Suction hose:	i/d 100 mm
└ Water high pressure:	M30 x 2
└ Mains electric supply to control panel:	230 ±10 V 16 A, 50/60 Hz

Tension on control cable; suction and high pressure hose:	max. 20 kg (support at 10 m)
Control cable length:	50 m

Dimensions (L x W x H):	1140 x 620 x 501 mm
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Weight (without accessories):	100 kg
└ with radio control:	235 kg

Construction



* Nozzle calculation with „Water Jetting Calculator“: www.water-jetting-calculator.com/nozzlecalculation

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SPIDERJET[®]-M - EDGE - ATEX 3000 BAR

13.H.16 – 08/2022

EXPLANATION EX-PROTECTION: **Ex-Zone II 3 G Ex h IIC T4 Gc**

- II = Equipment group II = high level of protection (dust and gas atmospheres)
- 3 = Equipment category 3 = normal level of safety – operation possible in zone 2/22
- G = Type of explosive atmosphere = dust-air mixtures
- Ex = The device complies with one or more ignition protection types (marking as of december 2004)
- h = Non-electrical ignition protection type = constructive safety “c”, ignition source monitorin “b” and / or liquid encapsulation “k” (EN ISO 80079-36 / EN ISO 80079-37)
- IIC = Explosion group = permissible gases depending on temperature class (e. g. hydrogen)
- T4 = Temperature class < 135°C
- Gc = Equipment protection level (EPL) = gases, fog, vapors treten wahrscheinlich nicht auf, und wenn, dann nur selten oder kurzzeitig



Operation of the bypass control in the Ex-area is **only permitted with an isolating switch amplifier**, which is installed **outside** the harzardous area.

Isolating switch amplifier 00.06700.0400 for installation in the bypass control line.

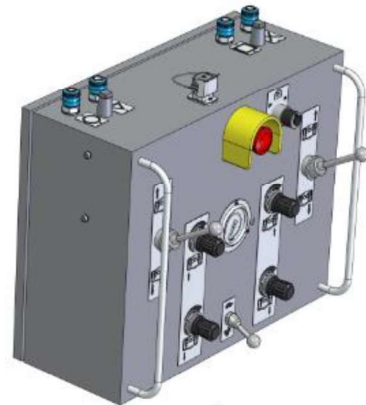
HAMMELMANN[®]

SPIDERJET[®]-M - EDGE - ATEX 3000 BAR

13.H.17 – 08/2022

ACCESSORIES (PART OF SUB-ASSEMBLY)

Description	Code no.
<p>CONTROL PANEL</p> <p>Dimensions (L x W x H): 500 x 400 x 210 mm</p> <p>Air connection: M30 x 2 DKL Connection: Bypass cable</p> <p>Weight: approx. 30 kg</p>	<p>00.05150.0023</p>
<p>SAFETY ARRESTER</p> <p>Fall protection with automatic rope retraction device</p> <p>Rope length: 32 m</p> <p>Weight: approx. 20 kg</p>	<p>04.04060.0004</p> <p>(2 pieces required: 1 x right & 1 x left)</p>



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SPIDERJET[®]-M - EDGE - ATEX 3000 BAR

13.H.18 – 08/2022

ACCESSORIES (OPTIONAL)

Description	Code no.
<p>VACUUM SYSTEM - 660</p> <p>System for extraction and pre-filtering of extracted HP water</p> <p>Weight: approx. 1860 kg</p>	<p>00.05480.0019</p> <p>(further information: see chapter 13.K)</p>
<p>SUCTION HOSE</p>	<p>see chapter 13.K</p>
<p>TRANSPORT DEVICE for SPIDERJET[®]-M</p> <p>Weight: approx. 105 kg</p>	<p>00.06034.0010</p>
<p>CONVERSION KIT - BRUSH SEALING - for SPIDERJET[®]-M Edge</p> <p>Weight: approx. 5.4 kg</p>	<p>00.04011.0209</p>



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