

SPIDERJET®-M - MAGNET 3000 BAR

13.H.1 – 08/2022

The SPIDERJET®-M is a mobile high pressure water cleaning device with two-wheels electric motor drive. The SPIDERJET®-M adheres to the work surface using permanent magnets. Jetted water and removed solids can be sucked up by an ancillary vacuum system.



- The rotating spray bar fitted is driven by the reaction force of the water jets.
- The leak-free rotary joint with dynamic high pressure seal ensures a long service life.
- 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.
- The (rotational) speed of the spray bar can be set by adjusting the nozzles' angle to attack.
- Ideal surface preparation.



APPLICATIONS

- Cleaning, paint removal and de-coating of horizontal, vertical or inclined surfaces made of steel (ferromagnetic).
- 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.

CODE NO.	
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Spiderjet®-M	00.00078.0074
Spiderjet®-M with radio control	00.00078.0075

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SPIDERJET[®]-M - MAGNET 3000 BAR

13.H.2 – 08/2022

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
Pump power max.:	200 kW
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 - M 10
Nozzle design:	"P" or "T" *

<u>Connection:</u>	
↳ Suction hose:	i/d 100 mm
↳ Water high pressure:	M 30 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):	797 x 1171 x 479 mm
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Weight (without accessories):	115 kg
↳ with radio control:	250 kg

Radio remote control



Construction



	<p>The SPIDERJET-M can <u>also be used as a vacuum version</u>.</p> <p>This requires the HAMMELMANN Vacuum unit 1900, code no. 00.05480.0016. (see illustration „construction“ above)</p>
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	<p>If necessary, the magnets can be disassembled.</p> <p>NOTE! Disassembling of magnets is at user's own risk. Incorrect handling can lead to very serious injuries.</p>
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* Nozzle calculation with „Water Jetting Calculator“: www.water-jetting-calculator.com/nozzlecalculation

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SPIDERJET®-M - MAGNET 3000 BAR

13.H.3 – 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>



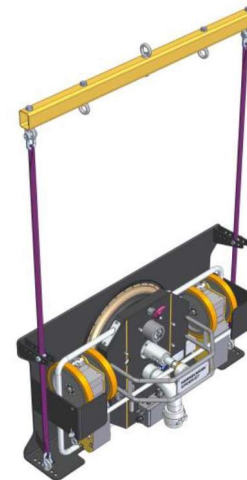
HAMMELMANN®

SPIDERJET[®]-M - MAGNET 3000 BAR

13.H.4 – 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. 108 kg</p>	<p>00.06034.0010</p>



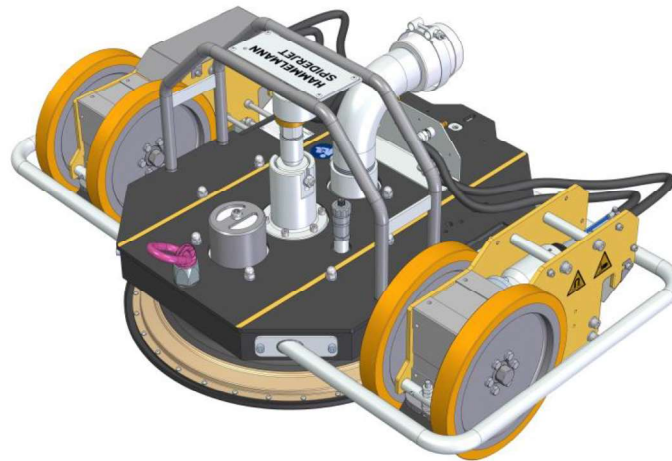
HAMMELMANN[®]

SPIDERJET®-M - ATEX 3000 BAR

13.H.5 – 08/2022

The SPIDERJET® M 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 ATEX is attached to the work surface with permanent magnets. The vacuum system immediately retrieves all waste water and removed solids and allows for further processing.



- The rotating spray bar fitted 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)
- 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.
- Variable speed adjustment of the nozzle bar by changing the nozzle angle.
- Ideal surface preparation.

CODE NO.

SPIDERJET®-M ATEX

00.00078.0082

SPIDERJET®-M ATEX
with remote control

00.00078.0072

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SPIDERJET[®]-M - ATEX 3000 BAR

13.H.6 – 08/2022

APPLICATIONS

- Cleaning, paint removal and de-coating of horizontal, vertical or inclined surfaces made of steel (ferromagnetic).
- Drives with self-adjusting camber adapt to the surface to be cleaned.
- Convex work surface with min. radius of 10 m.
- Concave work surface with min. radius of 10 m.
- Suitable for use in explosive areas:
Ex zone II 3 G Ex h IIC T4 Gc.

TECHNICAL DATA

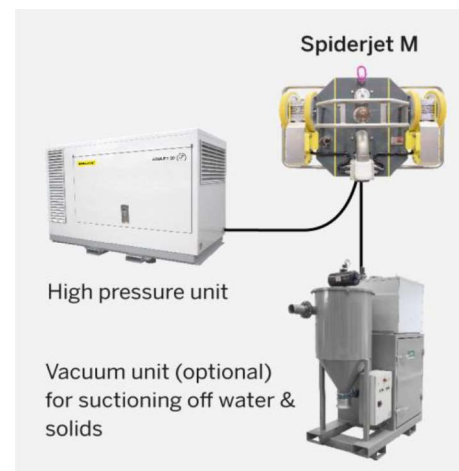
Operating pressure:	max. 3000 bar
Working width:	374 mm
Flow rate:	50 l/min
Rotary speed max.:	3000 min ⁻¹
Reaction force max.:	500 N
Surface coverage:	up to 70 m ² /h
Travel speed:	6.5 m/min
Turning circle:	< 2 m
Nominal power:	0.46 kW
Air consumption at nominal power:	17 l/s
Air brake pressure:	min. 3 bar
Sealing system rotating system:	hydrodynamic sealing system
Number of nozzles:	16 pieces - M10
Düsentyp:	"P" or "T"
Drive mode:	
└ HP tool:	reaction force powered
└ Travel drive:	pneumatically
Connection:	
└ Suction hose:	i/d 100 mm
└ Water high pressure:	M 30 x 2
└ Mains electric supply to control panel:	230 ±10 V 16 A, 50/60 Hz
Tension on control cable suction high pressure hose:	max. 20 kg (support at 10 m)
Compressed air control line:	30 m
Dimensions (L x W x H):	797 x 1171 x 479 mm
Weight (without accessories):	115 kg
└ with radio control:	250 kg

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

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.

Construction



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SPIDERJET[®]-M - ATEX 3000 BAR

13.H.7 – 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 hazardous area.

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

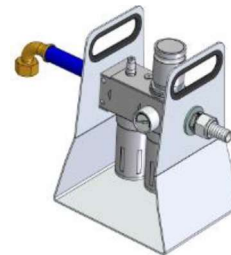
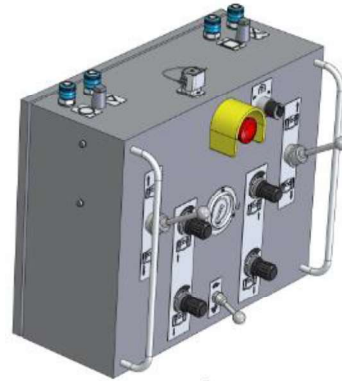
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SPIDERJET[®]-M - ATEX 3000 BAR

13.H.8 – 08/2022

ACCESSORIES (PART OF SUBASSEMBLY)

Description	Code no.
<p style="text-align: center;">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 style="text-align: center;">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>
<p style="text-align: center;">MAINTENANCE UNIT</p> <p>Weight: approx. 6 kg</p>	<p>00.00888.0004</p>



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SPIDERJET[®]-M - ATEX 3000 BAR

13.H.9 – 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. 108 kg</p>	<p>00.06034.0008</p>

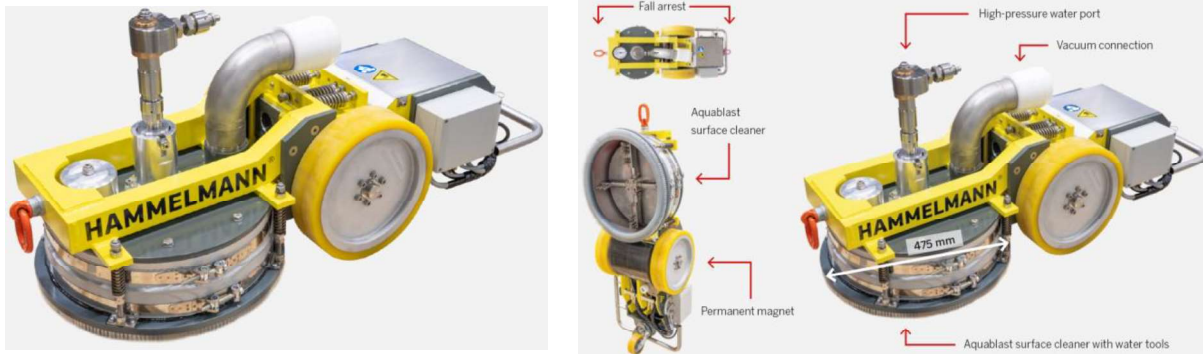


HAMMELMANN[®]

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

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
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 (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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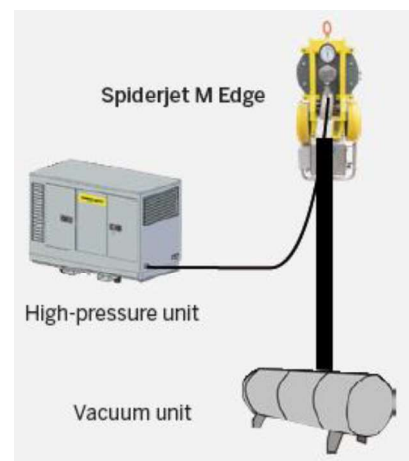
Weight (without accessories):	100 kg
↳ with radio control:	235 kg

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

Radio remote control



Construction



HAMMELMANN[®]

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>



HAMMELMANN[®]

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>



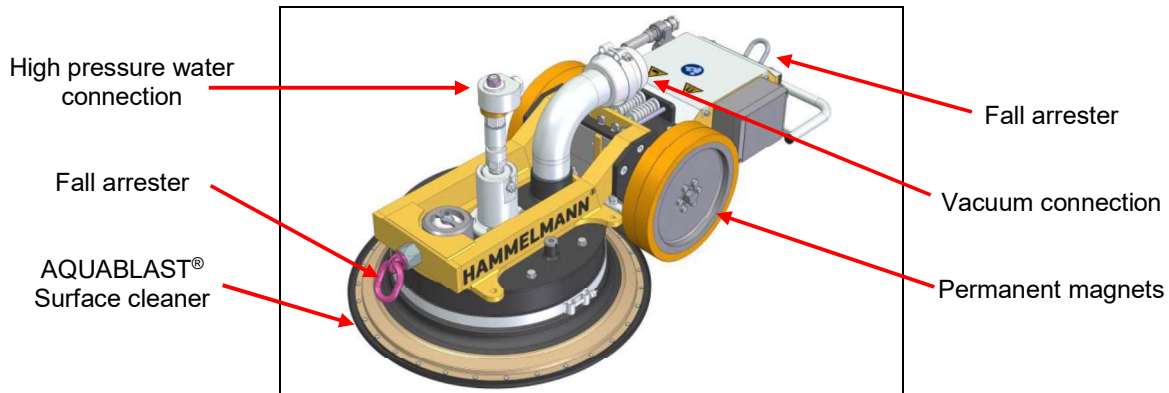
HAMMELMANN[®]

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

**SPIDERJET®-M EDGE
ATEX
with radio remote control**

00.00078.0088

HAMMELMANN®

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

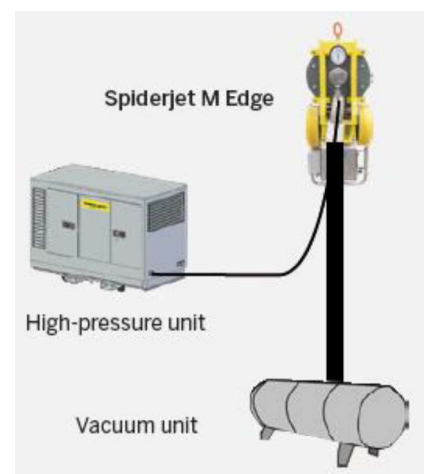
Tension on control cable; suction and high pressure hose:	max. 20 kg (support at 10 m)
Control cable length:	50 m

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

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

Construction



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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 hazardous area.

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

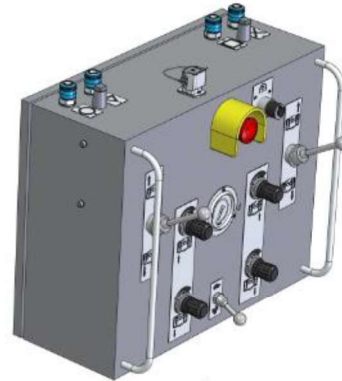
HAMMELMANN[®]

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>



HAMMELMANN[®]

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>

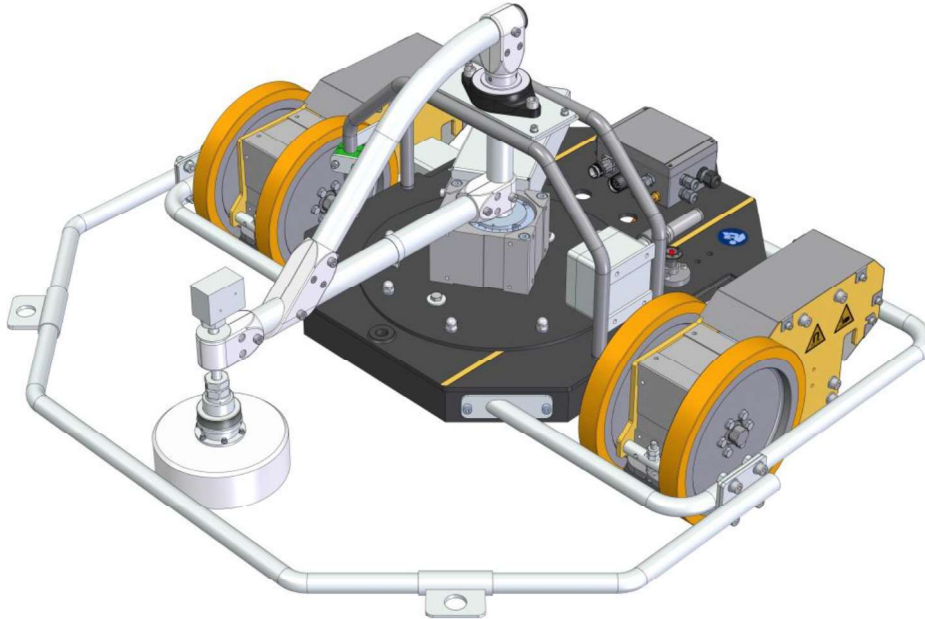


HAMMELMANN[®]

SPIDERJET[®]-M - SWIVEL 3000 BAR

13.H.19 – 08/2022

The SPIDERJET[®]-M SWIVEL 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.



- 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.
- Cleaning of an infinitely adjustable, preset range from 0 to 120°.

CODE NO.	
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Spiderjet [®] -M SWIVEL	00.00078.0079
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Spiderjet [®] -M SWIVEL with radio remote control	00.00078.0081
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HAMMELMANN[®]

SPIDERJET®-M - SWIVEL 3000 BAR

13.H.20 – 08/2022

APPLICATION

- Cleaning, paint removal and de-coating of horizontal, vertical or inclined surfaces made of steel (ferromagnetic).
- Drives with self-adjusting camber adapt to the surface to be cleaned.
- 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
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

<u>Connection:</u>	
↳ Water high pressure:	M14 x 1.5
↳ 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

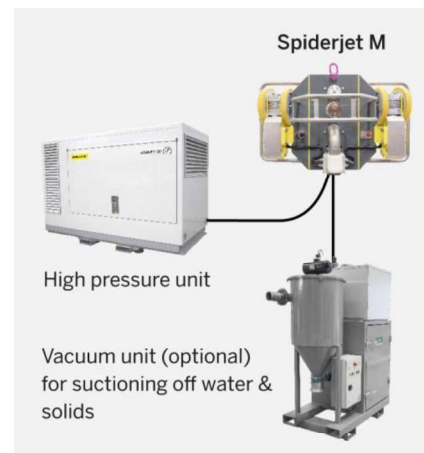
Dimensions (L x W x H):	1163 x 1249 x 623 mm
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Weight (without accessories):	128 kg
↳ with radio control:	263 kg

Radio remote control



Construction



HAMMELMANN®

SPIDERJET®-M - SWIVEL 3000 BAR

13.H.21 – 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>



ACCESSORIES (OPTIONAL)

Description	Code no.
<p>ROTORJET RD MASTERJET</p>	<p>00.00786.xxxx</p>

HAMMELMANN®

AQUABLAST® SPOT 3000 BAR

13.H.22 – 08/2022

The AQUABLAST® SPOT is a device for cleaning and de-coating of vertical or vertically inclined surfaces. It is particularly suitable for treating rust spots and similar isolated, small scale damage.

- The system can be mounted on various appropriate carrying fixtures (e. g. Dock side arms, lifting work platforms, equipment carrier, construction vehicles, etc.).
- Low wearing rotary joints with labyrinth seals.
- Low wearing spring loaded brushes supported by sealed castors.
- Universal telescoping, holding mechanism, roller bearing mounted with torsion spring to automatically press the device against the work surface.
- Can be used for vertical and horizontal applications.
- The AQUABLAST® SPOT's gimbal mounting and preloaded springs ensure a stable positioning on the work surface.
- Versions are available with electrical and manual extension and retraction.
- The jetting arm can be manually or electrically driven backwards and forwards along the axial direction to remove heavy coatings or contaminants.
- Variable rotational speed, reaction force driven rotary spray bar.
- Modular concept: simple and wide ranging applications.
- High levels of safety due to shrouded spray area.
- Environmentally friendly vacuuming of the effluent is possible.



EXAMPLE OF USE

- Cleaning and de-coating ship hulls.
- Cleaning and de-coating oil and gas storage tanks.
- Cleaning concrete surfaces, bridges, etc.
- Cleaning facades.



HAMMELMANN®

AQUABLAST® LINE 3000 BAR

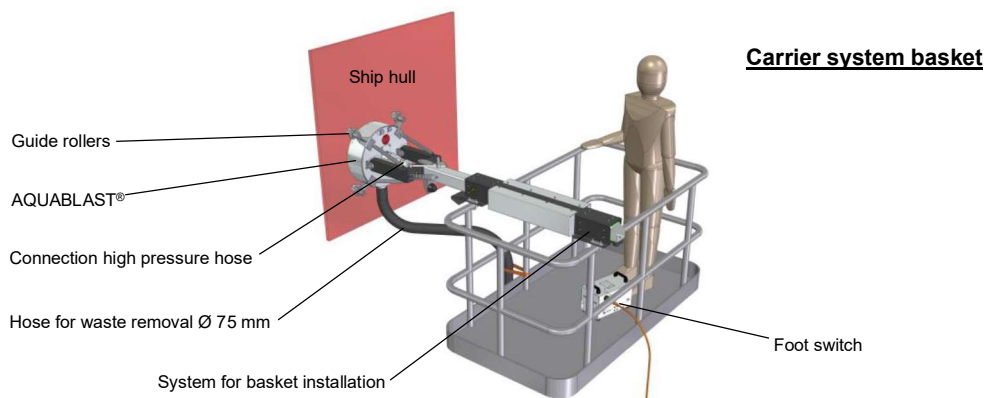
13.H.23 – 08/2022

- Based on the AQUABLAST® SPOT-design.
- Adapted for the special requirements of continuous linear operation.
- Universal joint coupling (cardan) on the AQUABLAST® system provides self-adjusting when operation on 3-D contours.
- Spring-loaded AQUABLAST® for defined and simple positioning.
- High levels of safety due to shrouded spray area.
- Environmentally friendly vacuuming of the effluent is possible.
- Reaction force driven rotary system which requires no auxiliary power surface.
- 4-arm nozzle carrier version. Maximum 18 nozzle operation for linear processing.
- Modular concept for easy installation and a wide variety of uses.



APPLICATIONS

- Suitable for washing, removal of marine growth and coatings.
- For surface preparation of swash zones e.g. of ships' hulls, or large storage tanks.
- Modular, highly efficient rotary spray bar system with a max. diameter of 250 mm.
- Foot or manual pressure ON/OFF switch for max. 3000 bar.
- Designed for use in conjunction with the vacuum system.
- Connectors for assembly to a manlift platform.
- Max. permissible lateral force is in the region of 380 N. (Observe the permissible load for the carrying device!)



HAMMELMANN®

AQUABLAST® SPOT / AQUABLAST® LINE 3000 BAR

13.H.24 – 08/2022

TECHNICAL DATA

	AQUABLAST® “SPOT” electrical	AQUABLAST® “SPOT”	AQUABLAST® “LINE”
Code no.:	00.06035.0566	00.06035.0568	00.06035.0611
Operating pressure:	max. 3000 bar		
Flow rate:	max. 40 l/min		
Rotary speed:	max. 3000 min ⁻¹		
Working width:	250 mm		
Working distance:	450 - 900 mm		
Number of nozzles:	8	8	18
Nozzle design:	“P” or “T”		
Weight:	125 kg	120 kg	120 kg
Cleaning:	a spot within Ø of the spray bar by adjusting the spray bar stand-off distance (by adjusting the stroke)	a spot within Ø of the spray bar by adjusting the spray bar stand-off distance (by adjusting the stroke)	a surface by moving the device by means the carrier system
Stroke adjustment:	electrical	manually by hand crank	fixed distance of the spray bar to the surface
Adjustment to the cleaning surface:	the spray bar stand-off distance to the work surface is electrically adjusted	manual cranking of the spray housing to the work surface	positioning and preloading of the spray bar housing using the carrier system
Preload force:	preload force of the AQUABLAST® housing on the surface can be adjusted by hand crank	preload force of the AQUABLAST® housing on the surface can be adjusted by hand crank	preloading of the AQUABLAST® housing by the carrier system
Spray bar:	2-armed	2-armed	4-armed

HAMMELMANN®

VACUUM UNIT - 200

13.K.1 – 11/2019

HAMMELMANN VACUUM UNIT-200

for operation with the HAMMELMANN AQUABLAST® Plus and the hand held AQUABLAST®.

Consisting of:

- Manually deployed waste collection unit.
- Waste water and solids are separated within the system for further disposal.
- The pre-cleaned waste water is pumped out of the unit so that downtime is minimised.
- Separator collects materials in suspension.
- Hinged doors to allow solids removal.
- Power connection via heavy duty plug with phase inverter.
- De-watering pump with over suction protection.
- Sight glasses for monitoring content level.
- Lockable casters.
- High mobility with forklift shoes and lifting eyes.



Technical data

Length:	approx.	1970 mm
Width:	approx.	970 mm
Height:	approx.	1800 mm
Weight:	approx.	670 kg

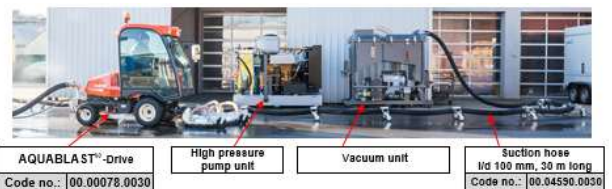
Tank capacity:	2 x 230 l	
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Power required:	5,5 kW	
Vacuum:	200 mbar	
Suction volume:	200 m ³ /h	

Connections		
Water out:	1" GEKA coupling	
Suction in:	B coupling	

Centrifugal pump:	04.03226.0800	
Vacuum pump:	04.03239.0003	

* The integral safety valve prevents too great a vacuum and thus the overheating of the vacuum pump.



AQUABLAST®-Drive Code no.: 00.00078.0030 High pressure pump unit Vacuum unit Suction hose i/d 100 mm, 30 m long Code no.: 00.04590.0030

	Code no.
Vacuum unit	00.05480.0010

Accessories

Description	Code no.
Suction hose 50 mm i/d (standard), 15 m	00.04590.0005
Suction hose 65 mm i/d (extension), 10 m	00.04590.0006

HAMMELMANN®

VACUUM UNIT - 650

13.K.2 – 11/2019

HAMMELMANN VACUUM UNIT-650

Stationary waste collection unit with two-chamber system for suction and pre-filtering of evacuated high pressure water.

Consisting of:

- Stationary waste collection unit with rigid, torsion free frame on shock absorbers.
- Waste water and solids are separated within the system for further disposal.
- The pre-cleaned waste water is pumped out of the unit so that downtime is minimised.
- Separator collects materials in suspension.
- Hinged doors to allow solids removal.
- De-watering pump with over suction protection.
- Sight glasses for monitoring content level.
- High mobility through forklift shoes.



Technical data

Length:	approx. 2530 mm
Width:	approx. 1520 mm
Height:	approx. 2080 mm
Weight:	approx. 1500 kg

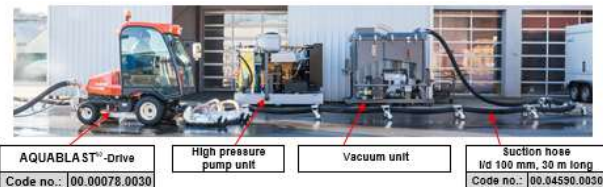
Container volume	
• Pre-separator:	630 l
• Fine separator:	430 l

Vacuum:	240 mbar
Suction volume:	650 m ³ /h

Connections	
• Water out:	G 1 ½"
• Suction in:	5"-Perrot coupling

Centrifugal pump:	04.03226.0769
Vacuum pump:	04.03239.0005

Diesel engine	
• Drive:	3 cylinder HATZ diesel engine
• Engine power:	36,7 kW at 2150 min ⁻¹
• Fuel tank:	60 l



AQUABLAST[®]-Drive Code no.: 00.00078.0030 High pressure pump unit Vacuum unit Suction hose l/d 100 mm, 30 m long Code no.: 00.04590.0030

	Code no.
Vacuum unit	00.05480.0009

HAMMELMANN®

VACUUM UNIT - 660

VACUUM EXHAUSTER WITH CONTAINER

13.K.3 – 11/2019

HAMMELMANN VACUUM UNIT-660
for operation with HAMMELMANN SPIDERJET®-M



Consisting of:

Vacuum pump:	Code no. 04.03239.0011
• Dimension:	1735 x 900 x 2150 mm
• Max. recommended conveying distance:	30 m
• Electrical connection:	3 x 400 V 50 Hz
• Electric motor:	15 kW
• Energy input:	approx. 13 kW
• Air volume:	660 m ³ /h @ 500 mbar vacuum
• Max. vacuum:	500 mbar
• Hose connection:	4 "
• Compressed air supply:	G 1/2"
• Compressed air:	max. 5 bar

Container:	Code no. 04.00222.0050
• Dimensions:	4200 x 2350 x 2350 mm
• Silo volume:	3 m ³
• Hose connection:	5 "

Vacuum unit	Code no. 00.05480.0019
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NOTE!

The time interval of the level indicator can be adjusted by potentiometer. (0 - 120 min)
Display by flashing signal light!

Optional accessories:

Description	Code no.
Suction hose i/d 100 mm	
20 m ⇒	00.04590.0044
40 m ⇒	00.04590.0045

HAMMELMANN®

VACUUM UNIT - 1900

VACUUM EXHAUSTER WITH CONTAINER

13.K.4 – 11/2019

HAMMELMANN VACUUM UNIT-1900
for operation with HAMMELMANN SPIDERJET®-V



Consisting of:

Vacuum pump:	Code no. 04.03239.0010
• Dimensions:	2335 x 1500 x 2380 mm
• Max. recommended conveying distance:	45 m
• Electrical connection:	3 x 400 V 50 Hz
• Electric motor:	45 kW
• Energy input:	approx. 35 kW
• Filter surface:	20 m ²
• Air volume:	1900 m ³ /h @ 500 mbar vacuum
• Max. vacuum:	500 mbar
• Hose connection:	5 "
• Hose coupling:	2 x i/d 75 mm Storz design "B"
• Compressed air supply:	G 1/2"
• Compressed air:	max. 5 bar

Container:	Code no. 04.00222.0050
• Dimensions:	4200 x 2350 x 2350 mm
• Silo volume:	3 m ³
• Hose connection:	5 "

Vacuum unit	Code no. 00.05480.0016
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NOTE!

The time interval of the level indicator can be adjusted by potentiometer. (0 - 120 min)
Display by flashing signal light!

Optional accessories:

Description	Code no.
Suction hose i/d 100 mm	
20 m ⇒	00.04590.0044
40 m ⇒	00.04590.0045

HAMMELMANN®