

## 4000.1200 Overhead Tank shower (OTS)



## **ABOUT HAWS INTEGRATED**

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### **ABOUT HAWS**

For more than 100 years, Haws® has been a leader in the development and manufacturing of drinking fountains and emergency equipment in a wide range of industries. An ISO 9001 certified company, Haws has been committed to providing solutions that help keep people safe through unrelenting focus on quality, service, and innovation.

In addition to a full line of emergency eye/face washes, showers and drinking fountains, Haws' offers the revolutionary Axion MSRTM technology, the Brita® Hydration Station™ filtration system and Haws Integrated's™ custom engineered safety solutions.

Headquartered in Sparks, Nevada, Haws is privately held and globally represented with offices in Switzerland, Brazil and Singapore.

### **ABOUT HAWS INTEGRATED**

Haws Integrated™ designs, builds, and manages industrial systems that provide tempered water when and where it is needed. To address your unique requirements while ensuring regulatory compliance, we work with your project team throughout the project lifecycle, from conceptual planning to detailed engineering and ongoing maintenance. With more than 800 projects completed globally at customer sites that span operational extremes – arctic and desert, high altitude and offshore, mobile and stationary – Haws Integrated™ brings deep engineering expertise, broad application experience, and disciplined project management to deliver robust systems that integrate with your existing infrastructure.

Integrating software, hardware and control capabilities, Haws Integrated™ systems are commonly applied to large-scale decontamination and emergency wash installations in environments where people may come in contact with hazardous chemicals or contaminants.

**Contact:**

Ralph Brekelmans  
Regional Sales Manager Europe North  
✉ [r.brekelmans@haws.ch](mailto:r.brekelmans@haws.ch)  
☎ +31 (0)6 1248 4975

Ramadan Tairovski  
Technician  
✉ [r.tairovski@haws.ch](mailto:r.tairovski@haws.ch)  
☎ +41 (0)34 420 60 19

## **4000 OVERHEAD TANK SHOWER**

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HAWS Integrated model 4000 is a self contained combination shower with a 1'200 liter overhead tank. The shower is driven by gravity of the water column.

The HAWS Integrated model 4000 is designed according ANSI Z358.1. However the gravity fed tank shower do not meet ANSI Z358.1 because the flow performance is not constant for the entire flushing time of 15 minutes.

The tank capacity lasts for at least 15 minutes flushing time of body shower and eyewash.

The shower area offers enough space for two people. Frame and optional side walls and roof are made of stainless steel.

The frame can be anchored to the ground. The tank comes with lifting lugs for easy erection.

The body shower has an average capacity of approx. 60l/min. The flow decreases due to the static height of water level decreases. The optional eyewash has a capacity of 6l/min and lasts for at least 9 minutes during simultaneous operation with the body shower.

The combination shower signs are according to ISO 3864-1 & ANSI Z358.1 standard. In addition a green-white tape around the tank is included.

One bottle of water preservative is included in the scope of supply.

### **4000.1200 OTS STANDARD INCLUDES**

The Tank shower Model 4000.1200 OTS (Standard) includes the following:

- 1x 1200lt Tank (stainless steel)
- 1x Body shower (Stainless steel) Capacity of approx. 60l/min
- 6x Equal frame elements (Stainless steel)
  
- Weight of this unit: ca. 370kg
- Dimensions: 1.05m x 1.13m x 3.56m (Length x Width x Height)

**4000.1200 (OTS) STANDARD**





Article number	Article name	Description
10007126	4000.1200 OTS	<p>Standalone low water pressure gravity fed tank shower for indoor and outdoor use with stainless steel pipe fittings with the following specification:</p> <ul style="list-style-type: none"> <li>• Stainless steel tank</li> <li>• Stainless steel frame</li> <li>• Safety shower with pull-rod 'stay-open' activation</li> <li>• Pictogram shower sign with green / yellow marking</li> <li>• Connections: water 1.25" inlet / additive 1" overflow drain exit included</li> <li>• Including 2 year warranty</li> </ul>









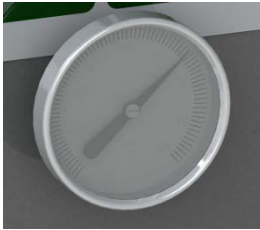

**OPTIONS**

Article number	Article name	Description
<input type="checkbox"/> Tank 350l	10007490	<p>350 liter tank            (opt 4000 350l)</p>
<input type="checkbox"/> Tank 1'600l	10007331	<p>1600 liter tank            (opt 4000 1600l)</p>












	Article number	Article name	Description
<input type="checkbox"/> Tank 2'000l	10007559	2000 liter tank (opt 4000 2000l)	350 liter stainless steel tank 1 1/4" Water inlet 1" additive inlet 1" overflow  Fully complies with ANSI and EN standards.
			
<input type="checkbox"/> EX Heated and Insulated	10007227	EX heated and Insulated (opt 4000 H and I EX)	1'200 liter tank with thermostat and adjustment range.
			
<input type="checkbox"/> Heated and Insulated	10007226	Heated and Insulated (opt 4000 H and I)	1'200 liter tank with thermostat and adjustment range.
			
<input type="checkbox"/> Insulated	10007327	Insulated (opt 4000 insulated)	Tank insulated
			


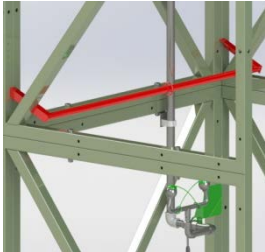

	Article number	Article name	Description
<input type="checkbox"/> Immersion heater 	10007560	Immersion heater (opt 4000 Immersion)	Keeps the water temperature in the tank in between ANSI and EN recommended range.
<input type="checkbox"/> Scald valve 	10004232	SP157A (Scald valve)	Model SP157A is a scald protection bleed valve. Recommended for high ambient temperature locations where extreme heat or hot sun might cause internal water overheating. Flushes water through line when internal water temperature rises above 45°C, closes at 35°C.
<input type="checkbox"/> Freeze valve 	10004230	SP158A (Freeze proof valve)	Model SP158A is a freeze protection bleed valve recommended for areas that experience occasional "snap freezes". Automatic thermal actuator bleed valve opens when internal water temperature drops below 2°C. At about 10°C, the valve closes.
<input type="checkbox"/> Freeze proof 	10007561	Freeze proof (opt 4000 FP)	Eye wash pipe heat traced and insulated.

	Article number	Article name	Description
<input type="checkbox"/> Refill 	10007337	Automatic Refill (opt 4000 AR)	For filling up the tank automatically, closes when the tank is full.
<input type="checkbox"/> Mano refill 	10007338	Mano refill (opt 4000 MR)	For filling up the additive directly in the water inlet.
<input type="checkbox"/> Water temperature 	10007228	Water temperature gauge (opt 4000 WTG)	Water temperature indicator Stainless steel Mounted to the front side of the tank Temperature range from -30°C to +50°C.
<input type="checkbox"/> Water level 	10007229	Water level indicator (opt 4000 WLI)	Water level indicator with float ball for analog indication. Mounted at the top of the front side of the tank.



	Article number	Article name	Description
<input type="checkbox"/> Horn & Light 	10007454	Alarm with Horn and Flash light (opt 4000 A)	Alarm unit with horn and flash light for safety showers. Voltage 230V 50HZ.
<input type="checkbox"/> EX Horn & Light 	10007468	EX Alarm with Horn and Flash light (opt 4000 EX A)	Alarm unit EX with horn and flash light for safety showers. Explosion protected. Voltage 230V 50HZ.
<input type="checkbox"/> Area Light 	10007339	Area Light (opt 4000 AL)	To illuminate the surroundings of the emergency shower.
<input type="checkbox"/> EX Area Light 	10007432	EX Area Light (opt 4000/5000 AL EX)	To illuminate the surroundings of the emergency shower. For explosion proof areas.
<input type="checkbox"/> Inside Light 	10007340	Inside Light (opt 4000 IL)	To illuminate the cabin of the emergency shower.

	Article number	Article name	Description
<input type="checkbox"/> EX Inside Light 	10007433	EX inside light (opt 4000 IL EX)	To illuminate the cabin of the emergency shower. For explosion proof areas.
<input type="checkbox"/> Eye wash 	10007230	Eyewash (Push Flag) (opt 4000 EW PF)	Emergency eye wash 'bullhorn' activated by push flag
<input type="checkbox"/> Foot treadle 	10007358	Foot treadle (opt 4000 FT)	Eye wash activation
<input type="checkbox"/> Flexible hose 	10007544	Flexible hose with quick coupling and ew (5m) (opt 4000 hose)	Model 8901 Axion (SS) with flexible hose (5m)

	Article number	Article name	Description
<input type="checkbox"/> Eye wash insulation 	10007555	Piping insulation (opt 4000 pipe ins)	Insulation of the eye wash pipe
<input type="checkbox"/> Grate activation 	10007343	Grate activation (opt 4000 GA)	For shower activation
<input type="checkbox"/> Panic Bar 	10007342	Panic Bar (opt 4000 PB)	For shower activation
<input type="checkbox"/> Privacy Curtain 	10007562	Privacy Curtain (opt 4000 Curtain)	

	Article number	Article name	Description
<input type="checkbox"/> Side Panels	10007265	Side panels in SS (opt 4000 panels SS)	
			
<input type="checkbox"/> Sun Shield	10007545	Sun shield (opt 4000 Sun shield)	
			
<input type="checkbox"/> Chiller	10007493	Chiller unit (opt Chiller)	For chilling the water tank. 3.5kW
			
<input type="checkbox"/> EX Chiller	10007494	EX Chiller unit (opt EX Chiller)	
			
<input type="checkbox"/> Activation switch	10007465	Activation Switches (opt 4000 AS)	Indicates signal to control room or alarm system, when shower or eye wash is activated.

	Article number	Article name	Description
<input type="checkbox"/> EX activation switch	10007328	EX activation switches (opt 4000 EX AS)	Indicates signal to control room or alarm system, when shower or eye wash is activated. Explosion proof
<input type="checkbox"/> Wireless alarm system	10007385	Wireless alarm system (opt 4000 WAS)	Alarm system wireless based with sender and receiver unit.
			
<input type="checkbox"/> Earthquake proof anchoring	10007429	Earthquake proof anchoring (opt 4000 Earthq)	for earthquake risk zones
			
<input type="checkbox"/> Mounting brackets	10007386	Mounting brackets SS (opt 4000 MB)	
<input type="checkbox"/> Drain sump	10007264	Drain Sump (opt 4000 DS)	Drain sump for waste water
			

Remarks

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## Seller Qualifications

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Haws Corporation has been specifying and supplying tempered water equipment for over 15 years. We have collaborated with hundreds of end users on designing packages that fit their needs. Our customers come from the petro chemical industry, power plants, and waste water treatment facilities, to name a few.

Haws Corporation has been in business since 1906 and is still family owned today. The company is financially sound. We invite you to our facility to witness our Engineering staff, assembly team, and the entire Haws operation.

BP	Glaxo Smith Kline
Exxon Mobil	IBM
Chevron	Bayer
Sunoco	Suncor Refinery
3M	Con Edison
Valero	Syncrude
Ashland	Sinclair Oil
Dow	First Energy
Conoco	Wyeth Pharmaceutical
Marathon	Owens Corning
Doyon Drilling	General Chemical
A E Polysilicon	Cenex Harvest States
Hemlock Semiconductor	Wisconsin Power
Westinghouse Electric	American Electric
Pennsylvania Power & Light	
And Many More	

## COMPLETED PROJECTS

