



DAN DRYER HYGIENE EQUIPMENT FOR ROLLING STOCK AND STATION BUILDINGS



A close dialogue-based cooperation with our customers is the key to development of customised solutions for the railway industry. With this collaborative approach DAN DRYER has successfully developed build-in hand dryers, baby changing stations, etc. for many railway projects across Europe.

In addition, DAN DRYER offers a wide selection of other toilet equipment such as waste bins, toilet paper dispensers and soap dispensers, making us able to deliver complete hygiene solutions for installation both on board rolling stock and in station buildings.

Dealing with only one supplier when equipping commercial washrooms is an important factor for many of our customers and one of the reasons why DAN DRYER has gone on to establish a leading position as a supplier within this field of expertise.

Selected DAN DRYER projects for rolling stock

- TGV Atlantique, Lacroix
- TGV Sud-Est, RISE-refurb
- Alstom TGV 2N2 Euroduplex
- Alstom Coradia/Nordwestbahn
- M6 Belgium
- Siemens Desiro Class 380/First Scotrail
- Siemens Desiro City/Thameslink
- RBS Next
- NedTrain VIRM refurbishments
- Stadler Sweden/Öresundståg AB
- Stadler Sweden/X2000
- BFG International/SLT



MORE THAN 30 YEARS' EXPERIENCE WITHIN EQUIPMENT FOR PUBLIC TOILETS



Supplier - Advisory Service - Product Development

DAN DRYER was one of the very first hand dryer manufacturers on the market, and the company has long been known as a leading supplier of washroom equipment. The Viking logo is easily recognisable in public toilets all over the world. Many years' experience has led to the company becoming specialists within development and production of washroom equipment. We now offer our customers a wide range of products, right from hand dryers to complete hygiene solutions.

DAN DRYER is a solution-oriented company, developing products according to market needs, an approach that results in close dialogue-based cooperation with our customers. We do not consider ourselves merely a supplier. We act as the ideal consultant and partner for

discussion – always prepared to do more for our customers and to join product development projects. With this approach, DAN DRYER has positioned itself internationally as one of the most preferred suppliers of toilet equipment, e.g. to airports, public institutions and retail chains, and we have earned a unique position as a niche manufacturer of technically complex and customised products to the railway industry.

Our strength lies in unique know-how and a company structure that enables us to respond quickly and flexibly to individual requirements and specifications. Whatever part of the process - from initial to final project stage – we can always help find the right hygiene solution.

DAN DRYER RAILWAY

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CUSTOMISED HYGIENE EQUIPMENT FOR THE RAILWAY INDUSTRY



- FOREFRONT OF TECHNOLOGY
- UNIQUE KNOW-HOW
- FLEXIBLE CUSTOMER SERVICE
- CUSTOMISED SOLUTIONS
- RELIABILITY AND ECONOMY





CUSTOMISING FOR THE RAILWAY INDUSTRY

DAN DRYER is a leading European supplier of customised hygiene solutions for the railway industry.

A major objective is to be at the forefront of technology living up to the specification requirements of the future. Through this vision, DAN DRYER has earned a unique position as a niche manufacturer of build-in hand dryers and baby changing stations for integration in railway carriage toilets.

The facilities and comfort on board trains are naturally of major concern to passengers. At DAN DRYER we

have extensive experience developing and manufacturing rail compliant washroom products meeting industry-recognised levels for toilet facilities. We possess know-how and experience, making us market leaders in this highly specialized field and we provide solutions accredited for use across all rolling stock and station buildings in Europe.

We deliver on our promises and our approach has resulted in several sizeable orders for railway carriages operated by e.g. German Deutsche Bahn, French SNCF, British Thameslink and Swedish Öresundståg AB.

DAN DRYER railway equipment because we provide

- Expert knowledge and extensive experience
- Flexible and customised solutions
- High quality and durability
- Unique know-how of norms and standards
- Professional advice and guidance



<p>FOREFRONT OF TECHNOLOGY Living up to the specification requirements of the future. Within the development of high-quality hygiene equipment for the railway industry, DAN DRYER aims to be at the forefront of technology.</p>	<p>UNIQUE KNOW-HOW DAN DRYER offers a unique know-how and expertise based on many years of experience within the development of equipment for railway projects across Europe.</p>	<p>RELIABILITY AND ECONOMY Reliability, durability and high quality to avoid frequent reinvestment and reduce operating costs is key to DAN DRYER railway products.</p>	<p>FLEXIBLE CUSTOMER SERVICE Product reliability is imperative. Thus, DAN DRYER offers individual and flexible customer service in order to react quickly to customer requirements at all project stages.</p>	<p>CUSTOMISED SOLUTIONS DAN DRYER railway products are compliant to relevant railway regulations and can be customised to meet individual needs and requirements.</p>
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BUILD-IN HAND DRYER

FOR INSTALLATION ON BOARD ROLLING STOCK

Housing

2 mm aluminium plate. Unpainted or powder-coated aluminium.

Installation

Air inlet to be held free. Minimum distance to facing surface: 10 mm. The outlet nozzle is meant for the mounting of a flexible aluminium hose.

Air volume

72 l/sec. measured at the outlet. A precondition for a high air volume is that the flexible hose is kept as short and as straight as possible to avoid air pressure build-up.

Motor

Fan motor with sealed ball bearings. Brushless. Humidity protected. Automatic thermal cut-out.

Heating element

Alloy filament coil mounted on a mica support in a non-inflammable cone. 2-level automatic thermal cut-out.

Timer

Electronic timer unit to be activated through external IR sensor.

IR sensor

External IR sensor unit controlled by the timer is included with the dryer unit. Standard length of connector cable: 70 mm (other lengths on request).

Connection

Power supply 50 Hz – through WAGO type connector. Insulation class: Class I. The hand dryer may be earthed through WAGO connector or externally on two 6 mm threaded grounding studs.

Functionality

Upon activation, the dryer will run until hands are removed again. Automatic stop after 3 min. of continuous use.



DIMENSIONS	
Height excl. outlet nozzle	246 mm
Height incl. outlet nozzle	293 mm
Width	297 mm
Depth	122 mm
Outlet nozzle	Ø80 mm

	MODEL 178	MODEL 142
Power supply	24 V	230 V
Motor	100 W	110 W
Heating element	450 W	1500 W
Customisation options	-	Activation via pushbutton or through IR sensor
	-	Heating element in different capacities (up to 2250 W)
	-	Hand dryer / recirculation heater combination

BABY CHANGING STATION

DAN DRYER RAILWAY BABY CHANGING STATION WITH A CARRYING CAPACITY THAT EXCEEDS TSI-PRM REQUIREMENTS



- Changing surface in powder-coated aluminium. Axle and levers in electro-galvanised steel.
- Very strong construction providing optimum carrying capacity and long product life.
- To save space, the table folds up against the wall when not in use.
- Torsion springs in the wall unit ensure the smooth and easy opening and closing.
- Cleaning-friendly design.

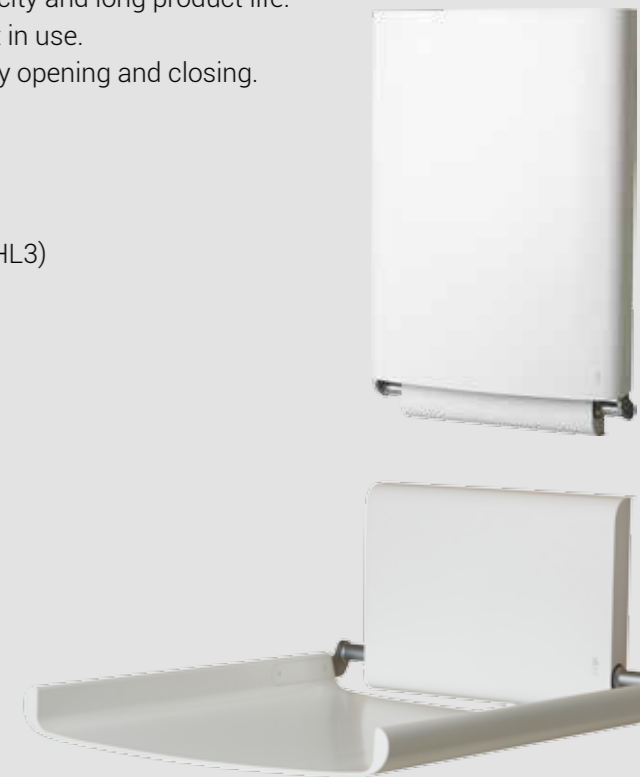
Compliant to the following rolling stock norms

- TSI-PRM compliant
- EN 45545-2-5:2013+A1:2015 (1300/2014) (Fire & Smoke, HL3)
- EN 61373 (Shock & Vibration, Cat. 1 Class B)
- EN 12221-2:2013+A1:2015

Certification

- TÜV NORD certified

DIMENSIONS	
Height (folded up)	771 mm
Height (folded down)	304 mm
Width	552 mm
Depth (folded down)	751 mm
Depth (folded up)	100 mm



SOAP DISPENSER

MANUAL SOAP DISPENSER FOR SANITIZER, FOAM OR LIQUID SOAP

- Housing made of 1.5 mm brushed stainless steel, AISI 304
- Compliant to EN 45545
- Holds approx. 1.2 l soap (1,000-1,200 doses)

Compliant to the following rolling stock norms

- EN 45545-2 (08/2013)
- EN ISO 4589-2 (06/2006)

DIMENSIONS	
Height	366 mm
Width	120 mm
Depth	160 mm
Depth (front opened)	366 mm

