SUITABLE
ACCESSORIES
FOR OUR
STEAM GENERATORS

NORDMANN
E N G I N E E R I N G

Index

NORDMANN
ENGINEERING

STEAM HOSES

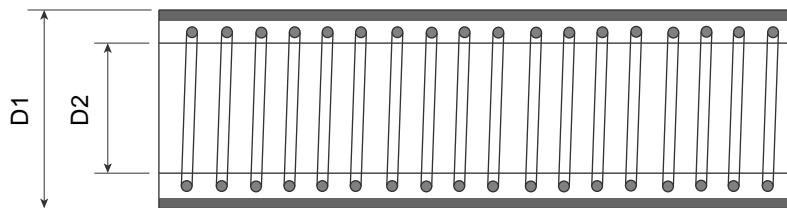| Capacity kg/h		Omega Pro	Omega	AT4D	ES4	DC
	2	–	–	–	–	DS22
	4	–	DS60	–	DS22	DS22
	5	DS80	–	DS22	DS22	–
	8	DS80	DS60	DS22	DS22	–
	10	DS80	–	–	–	–
	12	–	DS80	–	–	–
	15	–	–	DS35	DS35	–
	16	DS80	DS80	–	–	–
	20	DS80	DS80	–	–	–
	23	–	–	DS35	DS35	–
	24	DS80	–	–	–	–
	30	DS80	–	–	–	–
	32	–	–	DS35	DS35	–
	40	DS80	–	–	–	–
	45	–	–	2 × DS35	2 × DS35	–
	65	–	–	2 × DS35	2 × DS35	–

Features of our steamhoses:

- High side pressure stability
- Odourless
- Hygienic
- Inner layer as per NSF61 (drinking water)
- Outer layer as per UL94V0 (flame resistant)
- Operating temperature -25°C to 105°C

Construction of steam hose (cross section)

Item no.	TypE	Inner-Ø D2	Outer-Ø D1	Roll length	Order information
2586148	DS22	22.0 mm	31.0 mm	20 m	Complete roll only
2586142*				100 m	By the meter, up to 19 m
2586149	DS60	29.5 mm	40.0 mm	20 m	Complete roll only
2586144*				100 m	By the meter, up to 19 m
2586150	DS35	35.0 mm	46.0 mm	20 m	Complete roll only
2586145*				80 m	By the meter, up to 19 m
2586152	DS80	43.5 mm	55.5 mm	20 m	Complete roll only
2586147*				60 m	By the meter, up to 19 m

*Specify desired length when ordering

Matching hoseclamp to DS22

Art.-No.   1100432
Includes: 2 pcs. of hoseclamps

Matching hoseclamp to DS35

Art.-No.   2539583
Includes: 2 pcs. of hoseclamps
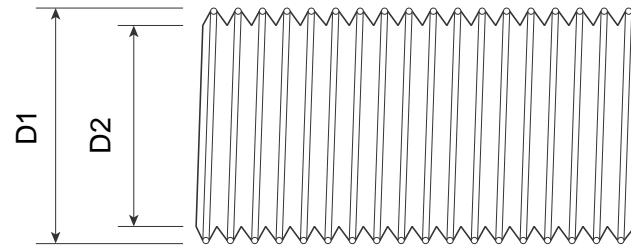Art.-No.   2539584
Includes: 10 pcs. of hoseclamps
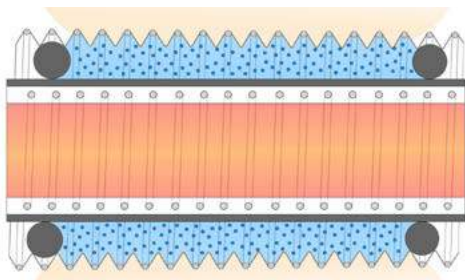
Matching hoseclamp to DS60

Art.-No.   2591276
Includes: 2 pcs. of hoseclamps

Matching hoseclamp to DS80

Art.-No.   2538898
Includes: 2 pcs. of hoseclamps
Art.-No.   2538899
Includes: 10 pcs. of hoseclamps

INSULATION HOSES ECOTHERM

Good to know:

The insulation hose forms an air cushion around the steam hose and thus has a heat-insulating function, which reduces the formation of condensation in the steam hose. Therefore, in addition to the insulation hose, an O-ring is required for sealing.

Operating temperatur -40°C to 125°C

D1

D2

Which insulation hose (EcoTherm) fits to which steam hose (DS)?

EcoTherm22 to DS22

Art.-No.	2538838
Includes:	Sold by the meter until 19m*

Art.-No.	2538900
Includes:	2 pcs. O-rings to Eco Therm 22

Art.-No.	2538901
Includes:	10 pcs. O-rings to EcoTherm 22

EcoTherm60 to DS60

Art.-No.	2538839
Includes:	Sold by the meter until 19m*

Art.-No.	2538902
Includes:	2 pcs. O-rings to Eco Therm 60

Art.-No.	2538903
Includes:	10 pcs. O-rings to EcoTherm 60

EcoTherm60 to DS35

Art.-No.	2538839
Includes:	Sold by the meter until 19m*

Art.-No.	2539585
Includes:	2 pcs. O-rings to Eco Therm 60

Art.-No.	2539586
Includes:	10 pcs. O-rings to EcoTherm 60

EcoTherm80 to DS80

Art.-No.	2538840
Includes:	Sold by the meter until 19m*

Art.-No.	2538908
Includes:	2 pcs. O-rings to Eco Therm 80

Art.-No.	2538909
Includes:	10 pcs. O-rings to EcoTherm 80

Art.-No.	Type	Inner diameter D2	Outer diameter D1	Roll length	Order information
2538838	Eco-Therm22	40 mm	49 mm	20 m	Sold by the meter until 19m
2538839	Eco-Therm60	55 mm	64 mm	20 m	Sold by the meter until 19m
2538840	Eco-Therm80	70 mm	80 mm	20 m	Sold by the meter until 19m

*Specify desired length when ordering

Fragrance dosing pump
Art.-No. 2560460: 230VAC Fragrance dosing pump

Suction hose
fragrance dosing pump
Art.-No. 2568956

Hose silicone
Hose silicone Ø 6/4 per Meter
Art.-No. 2591502

Injector
Art.-No. 2400529: Injector fragrance Ø 22 mm
Art.-No. 2591270: Injector fragrance Ø 30 mm
Art.-No. 2400530: Injector fragrance Ø 35 mm
Art.-No. 2591269: Injector fragrance Ø 45 mm

At the practical **assembly station**, the filter cartridge and the perfume pump can be attached and the perfume container safely parked.
Dimensions: W 402 mm, H 600 mm, D 193 mm
Art.-No. 2591019
Replacement cartridge:
Art.-No. 2590308: Filter cartridge S
Art.-No. 2590309: Filter cartridge L
Art.-No. 2591018: Filter head

NEBULISATION OF BRINE SOLUTION

Function description

Nebulization of brine solution to create a salty sea climate for steam rooms. The dosing capacity is sufficient for rooms with a floor space of app. 25 m². The brine solution is primed out of an air sealed bag (Politainer). This bag interfolds when the liquid brine solution is taken out. This procedure prevents the contamination of solution with germs of the ambient air. Then it is pressed through a very fine nozzle by a high-pressure solenoid diaphragm pump and nebulized. Furthermore a disinfection system is integrated. Operation via 3,2'' full color Touch display with a multitude of new possibilities:

- Operation modes: cyclic-, clock timer- and external control
- Week-program for the definition of the individual operation times per day
- Combination of the salt spray with light and sound effects
- Pressure monitoring for filling level brine and nozzle
- Day counter for the indication of a possible necessary disinfection and visual description of this procedure
- Definition of several authorization levels. Each level allows different settings

Art.-No. 2591802: Brine dosing station
Art.-No. 2591409: Brine solution Set, 6 Politainer with 5 liter

Good to know:

- Before the installation all materials have to be checked on their corrosion resistance against the saline mixture of water and air both in the adequate steam cabinet
- The dosing station is not licensed for medical purpose.
- Use only pure, disinfected brine solution with a salt concentration of app. 5%.
- In order to prevent drainage of the Politainer, the nozzle has to be installed on a higher level than the device. If this is not possible a spring loaded non-return valve has to be installed in the dosing tube.
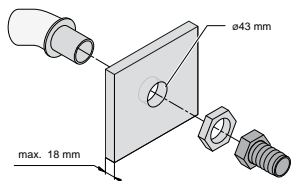
Technical Data

Electrical supply	230V/AC 50 Hz
Power supply	350 W
Dimensions	47 x 71 x 24 cm (W x H x D)
Empty Weight / Operational Weight	app. 15 kg/ 20 kg
Temperature range	+10 °C to +35 °C
Type of protection	IP44
Nebulisation performance brine	app. 100 ml/min

DDS22 Steam bath nozzle

Small steam bath nozzle for max. 4kg/h capacity
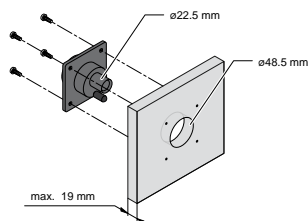For steam hose DS22 with Ø22 mm
Art.-No. 2402732

DDL30 Steam bath nozzle
DDL30 Steam bath nozzle from 4-32kg/h for DS60 steam hose with Ø30 mm
Art.-No. 2403015

DDL35 Steam bath nozzle
DDL35 Steam bath nozzle from 4-32kg/h for DS35 steam hose with Ø35 mm
Art.-No. 2403013

Steam nozzle set W22
fits with steam hose DS22 Ø 22 mm, Art.-No. 2560985
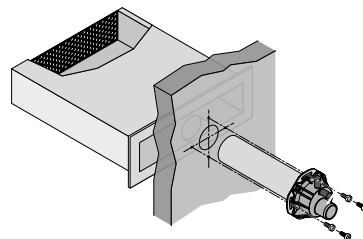
Steam nozzle set W30
fits with steam hose DS60 Ø30 mm, Art.-No. 1119246

Steam nozzle set W35
fits to steam hose DS35 Ø35 mm, Art.-No. 2560986

Steam nozzle set W45
fits with steam hose DS80 Ø45 mm, Art.-No. 1119247

High quality steel steam outlet element
for use with steam nozzle set 22/W30, Art.-Nr. 2591790

Steam Inlet
Steam inlet for the mixing and inserting of steam and fresh air into the steam room. For a dense steam appearance and a lower temperature of the inserted steam:
• Mixing tube made of stainless steel V4A with connections for fresh air and steam
• Diameter 110 mm, Installation length 280 mm
• Cover made of stainless steel V4A 140 x 140 mm with fixation screws
• Thread for steam hose 1''
Dimensions:
Ø110 mm, installation length 280 mm
Cover 140 x 140 x 22,5 mm with fixing screws and mounting flange. Art.-No. 2591794

ø43 mm

max. 18 mm

ø22.5 mm

ø48.5 mm

max. 19 mm

FAN AND REGULATORS

TEMPERATURE SENSOR

**Fan
W2S130-AA 27-67**
Special 3-stage insertion tube fan for Ø 150 mm.
Nom. Voltage: 24V 1~ 50/6Hz.
Current draw: 2.25/2.20A
Power consumption: 40 Watt.
Speed / min-1 2760/3200
Type of protection: IP20
Art.-No. 2591409

Multivent MV 100A 220-240V 50Hz 15W
Space saving tube fan.
Suitable for supply and exhaust air.
Connection Ø 100 mm.
Nominal voltage: 230V 50/60Hz.
Output in V: m³/h 150/190
Type of protection: IP44
Art.-No. 2591828

Electric regulator
Electric regulator 1A 230V 50Hz for surface mounting.
Speed controller, Continuously adjustable
Art.-No. 2591827

Backflow flap
Made of galvanised sheet steel
DN100 für Ø100 mm
Art.-No. 2591829

Temperature sensor
Temperature sensor with integrated safety temperature limiter (STB). The mounting kit for a wall thickness of 40 to 90 mm includes a M20 x 1.5 mm cable gland, threaded sleeve, two O-rings and a flat gasket.
Sensor type KTY81-110
TF: 76°C + 0 / -10°C
Art.-No. 2558235

Temperature sensor
Rod temperature sensor KTY81-110 for bench heating
Length: 42 mm × Ø 6 mm
Art.-No. 2557225

Blind temperature sensor
Blind temperature sensor 6mm
Blind stainless steel V4A for temperature sensor with Ø 6 mm metal sleeve.
Approximately 3.5 cm outside diameter including grub screw for fixing the sensor element.
Mounting hole of cabin lining 14 mm.
Art.-No. 2591801

Steam bath control FCU5000-Design Touch

Intuitive operability via a 4.3'' touch display with language-neutral and clear symbols. Integrated start/stop button. Available with or without bench heating. For surface mounting.
Dimensions: H 157 mm x W 104 mm x D 6.5 mm

Touch-Display incl. temperature sensor for temperature/humidity regulation **without bench heating** (5m cable).
Patch cable for display also included.
Art.-No. 2591645

Touch-Display incl. temperature sensor for temperature/humidity regulation (5m cable) and rod sensor KTY **with bench heating** (5m cable). Patch cable for display also included.
Art.-No. 2591646

Steam bath control Kompakt

The high-quality housing contains all the control electronics and the control panel, and is designed for simple, classical surface mounting. Its compact dimensions make it perfect for a clean, simple installation, even where space is restricted.
Dimensions: 160 x 90 mm

Control box with integrated electronics and control panel without bench heating. Incl rod sensor (5m cable)
Art.-No. 2556759

Control box with integrated electronics and control panel with bench heating. Incl rod sensor (5m cable)
Art.-No. 2558069

Cabin interior display

Cabin interior display for flush-mounting within steam cabin with set-up and display functions incl. 5m connection cable. Dimensions W 285 x H 250 x D 90 mm
Art.-No. 2556762

Patch cable

Art.-No. 2544024: Patch cable RJ45-8pol, Length 10 m
Art.-No. 2544025: Patch cable RJ45-8pol, Length 20 m

Clamps for shielding

Omega Spa Display
Art.-No. 2591660: Display with flush-mounted housing
Art.-No. 2591661: Display with surface-mounted housing
Art.-No. 2591666: Display cable shielded (50m)
Art.-No. 2591667: Clamp for shielding (5 pcs)

AT4D Spa Display
Art.-No. 2590191: PCB AT4D SPA Display including touch screen
(without box)
Art.-No. 2590178: Flush-mounted housing (incl. mounting material)
Art.-No. 2590179: Surface-mounted housing (incl. mounting material)
Art.-No. 2400185: Connection cable 4-core shielded per meter

Decoration panels to Omega und AT4D Spa Display
Art.-No. 2590183: Decoration panel steel
Art.-No. 2590185: Decoration panel glass white
Art.-No. 2590186: Decoration panel glass black

Centring frame
Art.-No. 2590188: Centring frame & Seal
Only centring frame and sealing for usage of custom
made decoration panel

Remote Display for AT4D
Remote Display AT4D in plastic housing IP 65
(W 170 x H 280 x D 60 mm) for wall mounting.
Version for flush-mounting not available anymore.

A three-inch grafic user interface provides easy access to
important operating parameters such as temperature, lighting,
cabin ventilation and fragrance injection. Remote control up to
8 generators. In hotels, health clubs and spa complexes, you have
simple control of steam bath from reception or other remote site.
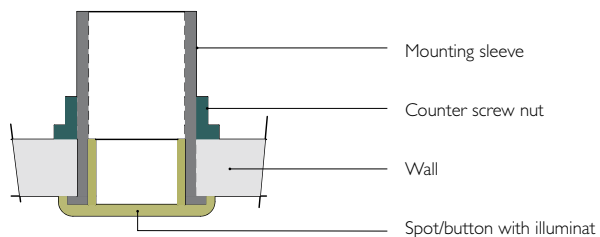Art.-No. 2560646

Connection cable must be ordered separately

MOUNTING SLEEVES
FOR SPOTS AND PUSH BUTTONS

Good to know:

Step 1:   Find the correct mounting sleeve
Step 2:   Select warm white spot, coloured spot or steam
          bath button
Step 3:   Choose the correct length of the extension cable

Mounting sleeve for coated GFK/Alu Surfaces:
Mounting hole 42 mm, mounting sleeve Ø 42 × 110 mm and
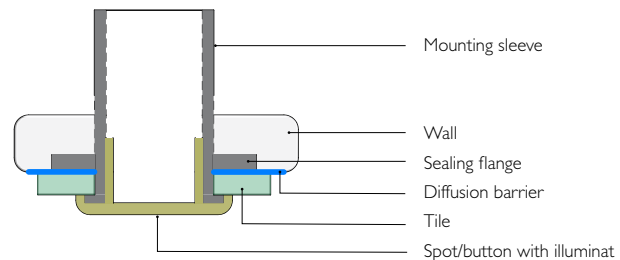nut, total length 113 mm (shortenable)
Art.-No. 2591797

Mounting sleeve for surfaces to be tiled:
For tiled wet rooms / steam baths
Mounting hole 42 mm, mounting sleeve Ø 42 × 110 mm and
nut, total length 113 mm (shortenable) with sealing flange and
6 screws for fixation
Art.-No. 2591798

Mounting sleeve

Counter screw nut

Wall

Spot/button with illuminat

Mounting sleeve

Wall

Sealing flange

Diffusion barrier

Tile

Spot/button with illuminat

LED-SPOTS AND PIEZO-PUSH BUTTONS

LED spot warm white
Built-in lamp VA chromed
Type of protection: IP 65
LED warm white 1 Watt
Lense frosted
Cover Ø60 mm
Incl. connecting cable 20 cm
Plug type: JST
Art.-No. 2591804

LED RGB Spot
Built-in lamp VA chromed
Type of protection: IP 65
LED-RGB 3×1 Watt
Lense frosted
Cover Ø60 mm
Incl. connecting cable 20 cm
Plug type: JST
Art.-No. 2591806

Push button red
Piezo push button with red ring illumination 24VDC
Installed in holder/ cover screen innox.
Chrome plated 60 mm outer diameter
7 m wire 5 × 0.25 mm² with connector.
For installation in mounting sleeve Ø42 mm
Connection wire JST
Art.-No. 2591795

Push button blue
Piezo push button with blue ring illumination 24VDC
Installed in holder/ cover screen innox.
Chrome plated 60 mm outer diameter
7m wire 5 × 0.25mm² with connector.
For installation in mounting sleeve Ø42 mm
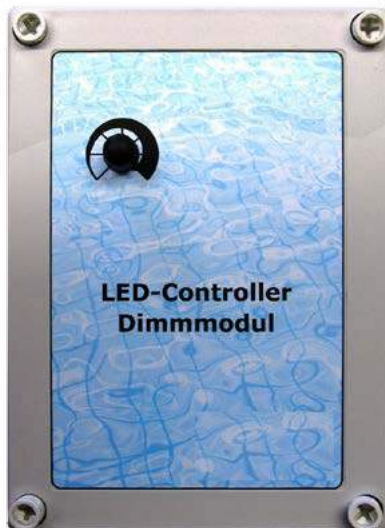Connection wire JST
Art.-No. 2591796

Extension cable for LED Spots
With plug and coupling JST 4 poles, colour code (white)
Art.-No. 2591814: Extension cable   1.0 m
Art.-No. 2591815: Extension cable   1.5 m
Art.-No. 2591816: Extension cable   2.5 m
Art.-No. 2591817: Extension cable   5.0 m
Art.-No. 2591818: Extension cable   7.0 m
Art.-No. 2591819: Extension cable   15.0 m

Specify desired length when ordering

Please order the fitting mounting sleeve

LED CONTROLLER
FOR RGB AND WARM WHITE SPOTS

Good to know:

The settings of the lighting programs are made on the rotary switch. Optionally, it can be controlled with a 4-digit code.

If more than 10 spots are needed, the RGB control can be extended by a ,,slave'' module.

Controller LED warm white

For max. 1-12 pcs. 1W spots. 1 x converter 350mA LCM-40 constant current.

Incl. poti for dimming on housing

Power supply cable 2m white, 230V/AC - 1,1A

7 m cable to spot 1 JST + end plug

Art.-No. 2591805

Controller LED RGB

15 different light programmes can be choosen by a code switch

Synchronous colour gradient.

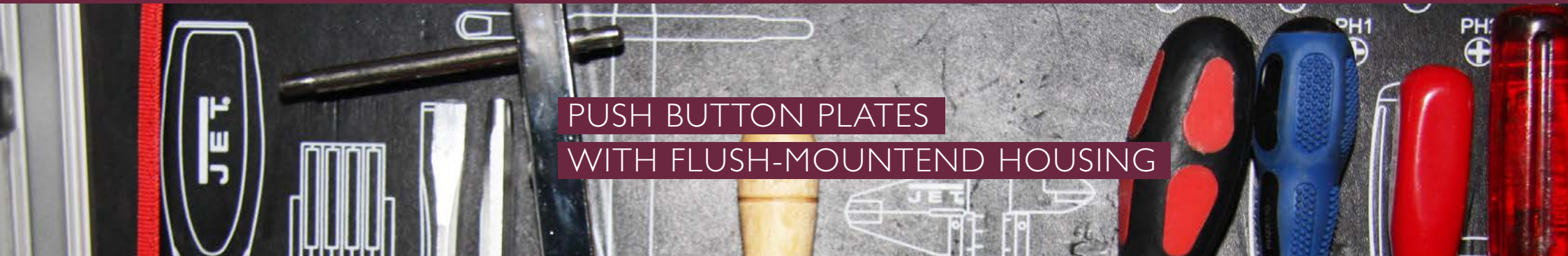Dimmable via poti on housing

Output RGB-LED Spot 350 mA 1-10

Power supply 230 VAC with plug 230 VAC 1 Ph 50Hz 50W

7 m cable to spot 1 JST + end plug

Art.-No. 2591807

Technical data:

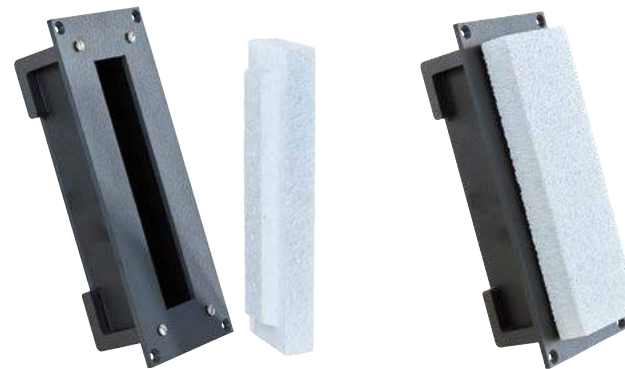|	
Electrical supply	230V/AC 50-60 Hz
Power supply	42VA/0.4 A
Operating temperature	0 bis +50°C
Weight	1,5 kg
W x H x D	13 x 18 x 9 cm

PUSH BUTTON PLATES
WITH FLUSH-MOUNTEND HOUSING

Push-button plates:

Dibond button plates with illuminated piezo push-button:
Plates optionally with 1 - 4 piezo buttons; blue ring illumination
and indentation for name tags:
7 m cable and screws M4x30

Art.-No. 2591799:   Push-button plates 1-fold
Art.-No. 2591800:   Push-button plates 2-fold
Art.-No. 2591808:   Push-button plates 3-fold
Art.-No. 2591809:   Push-button plates 4-fold

Push-button housing:

Flush-mounted housing for installing the push-button panels in
building boards, dry- or masonry walls. Material: polystyrene (PS),
black. Supplied with a protective cover made of EPS to define a
clear tile edge and to protect against contamination of the interior

Art.-No. 2591810:   Housing 1-fold, Flush-mounted
Art.-No. 2591811:   Housing 2-fold, Flush-mounted
Art.-No. 2591812:   Housing 3-fold, Flush-mounted
Art.-No. 2591813:   Housing 4-fold, Flush-mounted

Technical data push button plates:

Supply voltage	12- 24 VDC
Switching power	max. 1 Watt
Dimensions 1-fold push button plate	76 × 109 mm
Dimensions 2-fold push button plate	76 × 142 mm
Dimensions 3-fold push button plate	76 × 175 mm
Dimensions 4-fold push button plate	76 × 208 mm

Technical data flush-mounted housing:

Dimensions housing for 1-fold push-button plate	96 × 129 × 52 mm (WxHxD)
Dimensions housing for 2-fold push-button plate	96 × 162 × 52 mm (WxHxD)
Dimensions housing for 3-fold push-button plate	96 × 195 × 52 mm (WxHxD)
Dimensions housing for 4-fach push-button plate	96 × 228 × 52 mm (WxHxD)

Connector pieces

stainless steel

DS connector piece
Ø30 to Ø22 mm
Art.-No. 2591273

DS connector piece
Ø35 to Ø30 mm
Art.-No. 2591272

DS connector piece
Ø45 to Ø22 mm
Art.-No. 2560325

DS connector piece
Ø45 to Ø35 mm
Art.-No. 2591271

Connector piece bow

Nickel-plated copper pipe
with two clamps

Bow Ø22 mm
Art.-No. 2402772

Bow Ø35 mm
Art.-No. 2402771

Connector piece bow

Stainless steel
Lieferung without clamps

Bow Ø30 mm
Art.-No. 2591252

Bow Ø45 mm
Art.-No. 2591274

Y- Hose connector piece

Stainless steel

DS Y- Hose connector piece
3 x Ø22 mm
Art.-No. 1103447

DS Y- Hose connector piece
1 x Ø45 mm 2 xØ35 mm
Art.-No. 2563944

DS Y- Hose connector piece
3 x Ø45 mm
Art.-No. 1101164

T-Piece

Copper tube nickel plated

T-piece Ø22 mm
Artikel No. 2402775

T-piece Ø 35 mm
Artikel No. 2402773

T-piece Ø 35/22 mm
Artikel No. 2402774

Hose connection

Hose connection Ø22 mm
Art.-No. 2553669

Hose connection Ø 35 mm
Art.-No. 2402776

Hose connection Ø30 mm
Art.-No. 2591020

Hose connection Ø45 mm
Art.-No. 2569589

Hose reduction

Hose reduction Ø35 to Ø22 mm
Art.-No. 2401133

Condensate trap

Steam hose connection incl. condensate trap for ES4
and AT4D
Art.-No. 2560515 for 5/8 kg/h
Art.-No. 2560516 for 15kg/h
Art.-No. 2560517 for 23/32kg/h
Art.-No. 2560954 for 45/65kg/h

Condensate draining

Condensate draining DS22 Ø22/31 mm
Art.-No. 2569286

Condensate draining DS35 Ø 35/46 mm
Art.-No. 2553793

Condensate draining DS60 Ø30/40 mm
Art.-No. 2592472

Condensate draining DS80 Ø45/57 mm
Art.-No. 2588469

Condensate hose

Condensate hose KS10, 12/8 mm
up to 50 m roll lenght.
Specify desired length when
ordering
Art.-No. 1103350

Inlet Filter Z261

Art.-No.1100416
Fast closing block valve

Technical data:

Connections	Inlet/Outlet 3/8''i
Material	Filter frame brass
Housing	PA6
Fabric	Pa 6.6
Mesh size	125µ
Thread Ø	80µ

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