

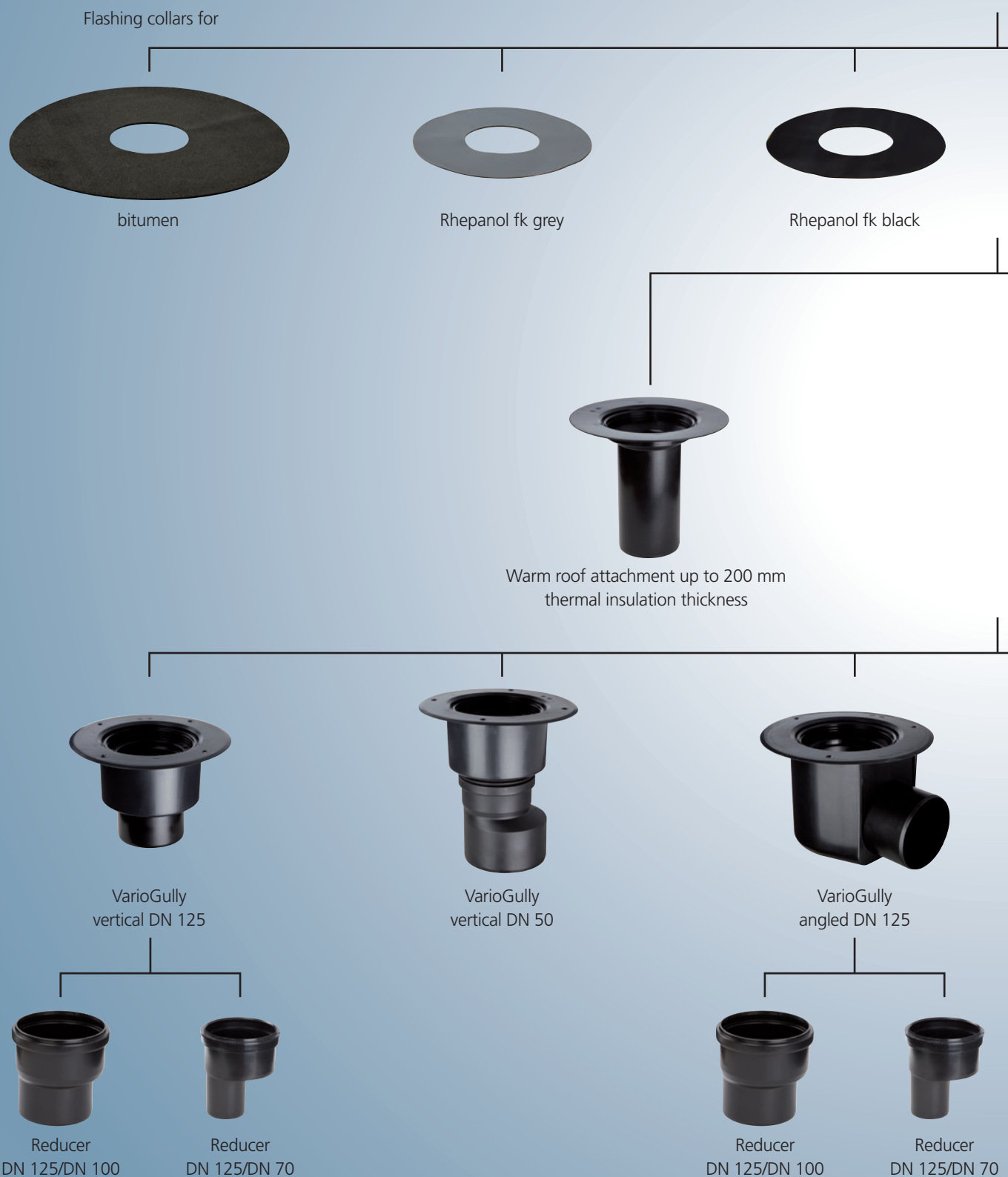
Taking drainage to the next level.



FDT VarioGully



FDT VarioGully-System





leaf guard



Terrace grate



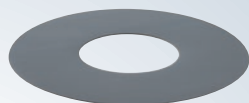
socket 50 mm



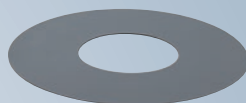
Screw ring



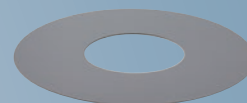
Lift ring



Rhepanol fk hot air weldable, grey



Rhepanol hg



Rhenofol



Warm roof attachment up to 400 mm
thermal insulation thickness



VarioGully
angled DN 70



FDT refurbishment flange



All VarioGullies are available
with heating feature



Transition piece
DN 70/DN 100

The FDT VarioGully programme. Modularity at its best.

Pioneering drainage
technology since 1985



Tested according to EN 1253.
Regular external monitoring
by TÜV Rheinland

Both newly built and refurbished buildings need a sufficiently dimensioned standard and emergency roof drainage system. This requirement is stipulated by current standards and regulations. To this end, i. e. drainage of industrial lightweight roofs, green roofs or terraces, as early as 1985 FDT introduced to the market the flat roof rainwater outlet **FDT VarioGully**. The first generation of products already demonstrated its practical performance, featuring high-quality workmanship and excellent drainage rates. Almost 30 years, this flat roof rainwater outlet has been leading the way in the fields of modern roof drainage. By introducing the upgraded **FDT VarioGully** in 2014 the next level in drainage technology has been reached. Compared to the first series, with its new geometry the drainage rate of the outlet has been increased by up to 25 per cent.

The result is a genuinely modular system. All the components of the **VarioGully programme** complement each other and can be easily combined. On the left you can see the individual modules. The central element is the VarioGully which is available in different versions – vertical or angled – and in several nominal widths. The next row above shows the corresponding warm roof extensions. Two different sizes are available for thermal insulation thicknesses up to 200 mm or up to 400 mm. The next level features the collars available for all Rhenofol roofing membranes, but also for bituminous sheets. By installing emergency overflow sockets available in two different heights any flat roof rainwater outlet can be converted into an emergency overflow in no time at all. At the top level you find the gravel stop/leaf guard and the terrace grate.

*FDT emergency overflow socket
in two different heights with
screw ring.*



FDT VarioGully.
*Outstanding quality, made
of highly impact-resistant
polypropylene (PP).*

QUICK-CHECK

- Ready-to-install flat roof rainwater outlet made of highly impact-resistant polypropylene (PP)
- With thermal insulation
- Up to 25 percent increased drainage rate
- For cold and warm roof structures
- With vertical or horizontal outlet
- Fitting: prefabricated membrane flashing collars
- Simple: conversion into emergency overflow with emergency overflow socket
- For thermal insulation thicknesses up to 400 mm – special sizes on request
- Complete with gravel stop/leaf guard



*Making it fit: prefabricated
FDT VarioGully flashing collars.*



Fully in its element: the FDT VarioGully family.

Efficient drainage with calculation service

The number of **FDT VarioGully** and emergency overflows required to ensure professional drainage depends on the size of the roof area and on the drainage calculation. FDT will be glad to support your calculations according to EN 12056-3 and DIN 1986-100. We will need the specific object data of your building project for this service. Please ask for this free-of-charge calculation service using the special form on our website at www.fdt.de.

Wide choice of nominal widths

Along with the number of required flat roof outlets the individual design of the **VarioGully** needs to be determined, i. e.: Which nominal width for which performance? Therefore, a selection of various options is needed. FDT provides these options with its **FDT VarioGully modular system**. No matter the design size of the drainage line at the object based on the calculation, the **FDT VarioGully** will meet any requirements. Nominal widths available are DN 70, 100, 125 and 150.



FDT fire protection collar.

Another solution also provides maximum safety: In connection with the FDT fire protection collar, the **FDT VarioGully** meets the fire-retarding sealing requirements of the industrial building regulation.

QUICK-CHECK

- **Helpful:** FDT provides calculation services for professional drainage
- **Safe:** FDT fire protection collar for fire-retarding sealing
- **Enormous:** wide variety of nominal widths from DN 70 to DN 150
- **Solid:** aluminium terrace grate with lift ring
- **Practical:** heatable FDT VarioGully for non frost-proof areas
- **Ideal:** FDT refurbishment flange for flashing against existing rainwater outlets

Well thought out – by default.
The FDT VarioGully brings drainage to perfection.

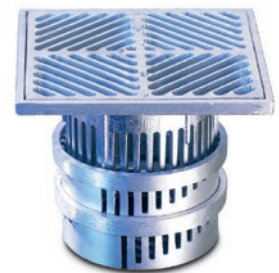


Drainage can be as simple as that. FDT VarioGully.

Stability: aluminium terrace grate.

The terrace grate is made of high-quality aluminium. It can be integrated into flat roofs with paving slabs or gravel or into inverted roofs. The terrace grate can be adapted to the height of the roof structure. Due to its solid design the terrace grate can bear loads and foot traffic. The accessories also include aluminium lift rings giving an additional height of 36 mm each. The fine adjustment to the actual covering height is done in 3 mm intervals.

For treadfastness



*Made of aluminium:
terrace grate and lift rings.*

Energy: the heatable FDT VarioGully.

This optional feature proves to be very effective, as it prevents water in the outlet from freezing. All **FDT VarioGully** – vertical DN 70, DN 100, DN 125 and DN 150 as well as angled DN 70, DN 100 and DN 125 – are available as a special modification with an integrated heating tape. This feature will consistently prevent icing of the roof outlet.

Against icing



Reliability: the FDT refurbishment flange.

As a substitute for the rainwater outlet for refurbishment the **VarioGully modular system** comprises the FDT refurbishment flange, which smoothly fits any existing rainwater outlet with a diameter of at least 137 mm. Another advantage hereby is the significantly larger diameter of 290 mm compared to the old generation solution. The refurbishment flange comes with six screws and a sealing cord, it is installed in combination with the warm roof extension.

For refurbishment



FDT refurbishment flange.

Klaus Kranz, project manager:
"On a roof of this size the
drainage system must be
installed very precisely and
work with utmost efficiency.
And this is exactly what
the FDT VarioGully does."



Well prepared for standard and emergency situations. The FDT VarioGully with increased drainage rate.



The new geometry allows for up to 25 percent increased drainage rate

FDT keeps up with the times: altering demands require new solutions to cope with the changes. Higher precipitation in the last years as a result of climatic changes has triggered intensified R&D to find enhanced solutions. The result: the latest generation of **FDT VarioGully**. The geometry of the product as well as its run-in area has been modified so as to increase the drainage rate by up to 25 percent. The parameters of the predecessor model serving as a reference. Good to know – especially when considering torrential rain. The design torrential rain event (100-year rainfall) to be expected at the building location gives any drainage system a hard time and puts the roof structure to the test. Therefore, when doing the overall planning, special attention should be given, in particular, to the type and the number of outlets as well as the position and the size of emergency overflows of the roof drainage system. One **FDT VarioGully** parameter can be taken into account in any calculation: the drainage rate, increased by up to 25 percent.

The carefree package for drainage

The latest generation of products with its new form features a convincing system. The **FDT VarioGully system** offers a practical modular structure, system compatibility between the two generations of products, low storage costs and easy handling of the components. The screwing aid for mounting the VarioGully facilitates professional and economic installation. Furthermore, the FDT accessories programme comprises additional important drainage components like rainwater intakes and water spouts.



*User friendly: with the screwing aid
the VarioGully can be mounted in
no time.*

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