

DEFLECTOR HOODS

For ventilation of chemical process air



 **beck**
be efficient. be beck.



Reduced assembly costs
thanks to perfectly fitting
sockets or installation with
a plug-in system

Save up to
30 %
on energy costs thanks to
flow-optimized moldings



Reliability and **safety** thanks
to high-quality
ventilation of aggressive
process media



75 % reduction in
pressure loss



Energy savings



**No incorrect discharge of exhaust air
through drip-water outlet**



**Possibility of secondary air admix-
ture from outside (20%); see special
model beck Rediff Type AUG 10/BY**

A standard deflector hood made of sheet metal or plastic has a power loss of approx. 560 watts at a volume flow of 10,000 m³/h.

With a system running on a daily basis for 12 hours a day, 300 days a year, at a price of 0.21 cents/kWh, this represents electricity costs of EUR 420.00 per annum. In comparison, as a flow-optimized deflector hood made of plastic, the beck Rediff has a power loss of approx. 125 watts at the same volume flow. Under the same conditions, this corresponds to electricity costs of EUR 96.00 per annum. If these figures are used to calculate the cost savings achieved by using the beck Rediff, they result in a figure of EUR 324.00 a year.



Application Effect

- **Connection** to and **discharge** from vertical exhaust pipes
- **Protection** and controlled drainage of rainwater or drip water



With their low pressure loss, beck DSB deflector hoods are ideal for connecting to vertical exhaust pipes. Any penetrating rainwater is fed back out safely through the eaves water drainage pipe. The smooth and seamlessly formed surface inside the DSB hood has a decisive influence on the flow pattern of the exhaust air and leads to a considerable reduction in pressure loss.

Connection



Plastic pipe



Sheet-metal, folded spiral-seam pipe

Product range Design Variants Portfolio



Rediff

The beck Rediff is a further development of the beck DSB exhaust air hood and differs significantly in terms of its design and performance characteristics. As in the DSB hoods, the outer housing and the inner section are each formed seamlessly from one piece of thermoplastic and welded together to form a solid unit during installation. Extensive design changes have allowed sharp, leading edges to be eliminated altogether, resulting in an even more precise flow pattern for the exhaust air.



DSB

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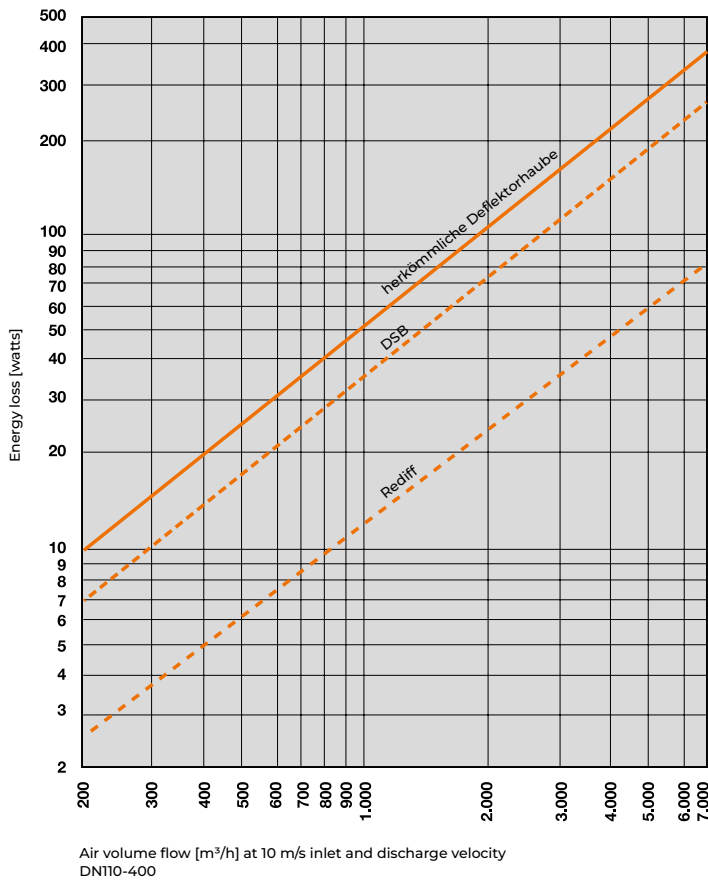


Deflector hood

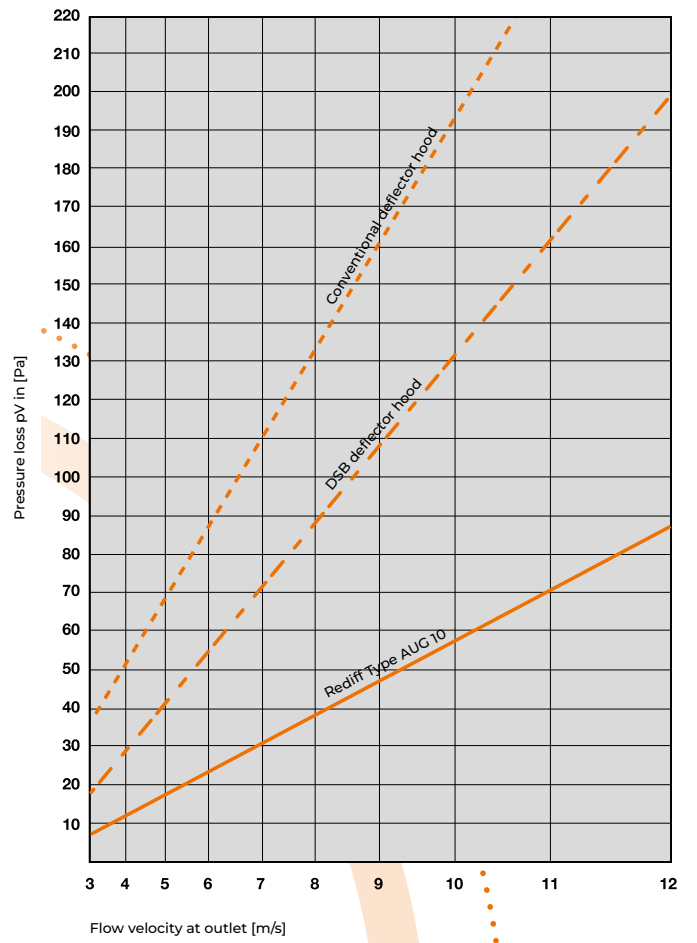
The beck deflector hood is used particularly for large dimensions. It is significantly behind the beck Rediff and the beck DSB in terms of **energy efficiency, resource conservation,** and **potential savings.**

Save on running costs by choosing the right hood for your application.
Optimize your total cost of ownership.

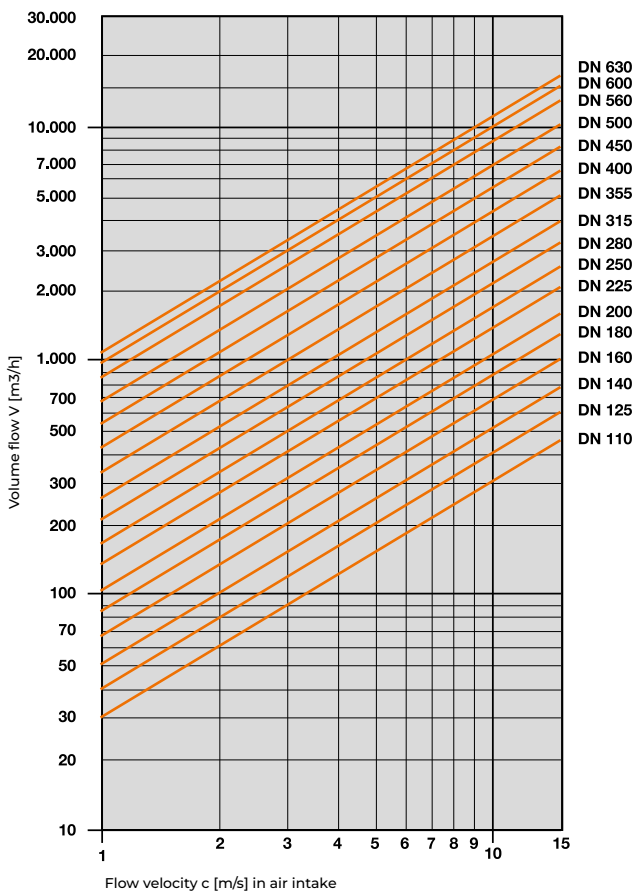
Energy loss diagram



Pressure loss diagram



Nominal size selection diagram





Product range, variants and prices
can be found in our price list.



↑ PRICE LIST

*"Save on running costs by
choosing the right hood!"*

Anne-Marie Fretter, Vertrieb

Tel. +49 69 380 353-20

Fax: +49 69 380 8243

af@beck-gmbh.net

beck Kunststoffverformungs GmbH

Elektronstraße 58

D-65933 Frankfurt/Main

Tel.: +49 69 380 353-0

Fax.: +49 69 380 8243

info@beck-gmbh.net

www.beck-gmbh.net