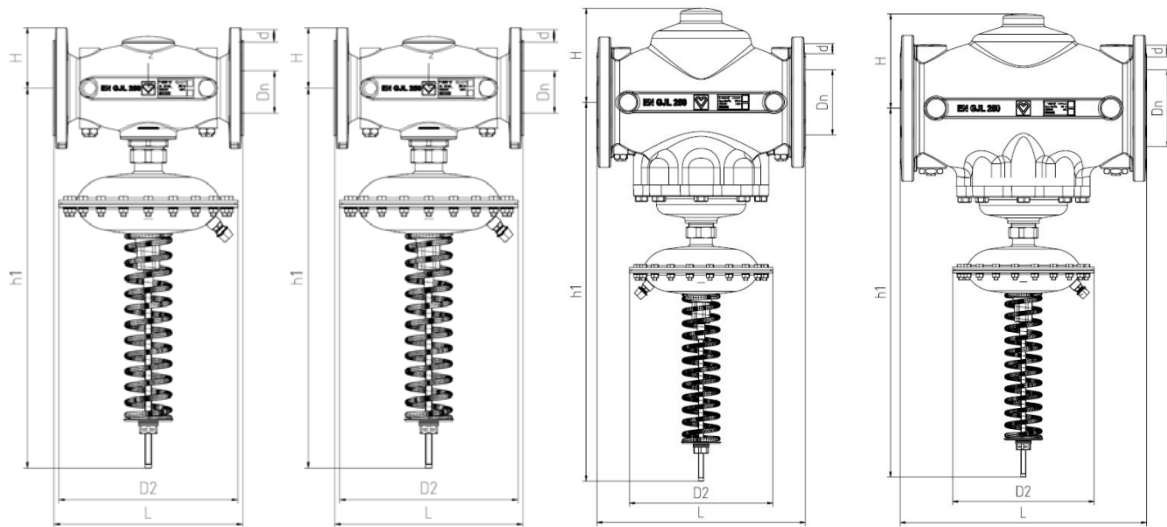


HERZ - DP Controller flanged version

data sheet for F 4007, Issue 0617

Dimensions in mm



DN50
dp range:

50-150 kPa

DN65-DN100
dp range:

10-40 kPa
20-80 kPa
50-150 kPa

DN125
dp range:

20-80 kPa
50-150 kPa

DN150
dp range:

20-80 kPa
50-150 kPa

	F 4007 26	F 4007 07	F 4007 17	F 4007 27	F 4007 08	F 4007 18	F 4007 38	F 4007 28	F 4007 09	F 4007 19	F 4007 29	F 4007 20	F 4007 30	F 4007 21	F 4007 31
DN	50	65		80				100		125		150			
L (mm)	230	290		310				350		400		480			
h ₁ (mm)	566	581	567	567	603	588	603	588	603	588	727	721			
H (mm)	82	93		113				112		181		185			
d (mm)	19	19		19				19		19		23			
D ₂ (mm)	156	275	156	156	275	156	275	156	275	156	275	275		275	
dp setting range (kPa)	50-150	10-40	20-80	50-150	10-40	20-80	20-80	50-150	10-40	20-80	50-150	20-80	50-150	20-80	50-150

Technical data

Max. working pressure:	16 bar
Testing pressure:	25 bar
Max. differential pressure over the valve:	4 bar
Min. working temperature:	2 °C
Max. allowed working temperature:	110 °C
Min. working temperature:	-10 °C (with anti freeze)
Valve body material:	EN-GJL-250 acc. to EN 1561
Type of connection:	Flange (EN 1092-2)
Diaphragm:	EPDM with textile
O-Ring:	EPDM
Spring:	EN 10270-1-SH

Water purity in accordance with the ÖNORM H 5195 and VDI 2035 standards
Ethylene and propylene glycol can be mixed to a ratio of 25 - 50 vol. [%]

Ammonia contained in hemp can damage brass valve bodies, EPDM gaskets can be affected by Mineral oils lubricants and thus lead to failure of the EPDM seals. Please refer to manufacturers documentation when using ethylene glycol products for frost and corrosion protection.

Kvs-values

Order number	Dimensions					
	DN 50	DN 65	DN 80	DN 100	DN 125	DN 150
F 4007 xx	39,18 m³/h	50 m³/h	84 m³/h	96 m³/h	190 m³/h	270 m³/h

Model

The differential pressure controller is a straight-version proportional controller and works without auxiliary energy. The required nominal differential pressure can be continuously adjusted from 10 to 40 kPa, 20 to 80 kPa or 50 to 150 kPa. The impulse line (1500 mm) is included with the valve and is connected to a circuit regulating valve in the flow.

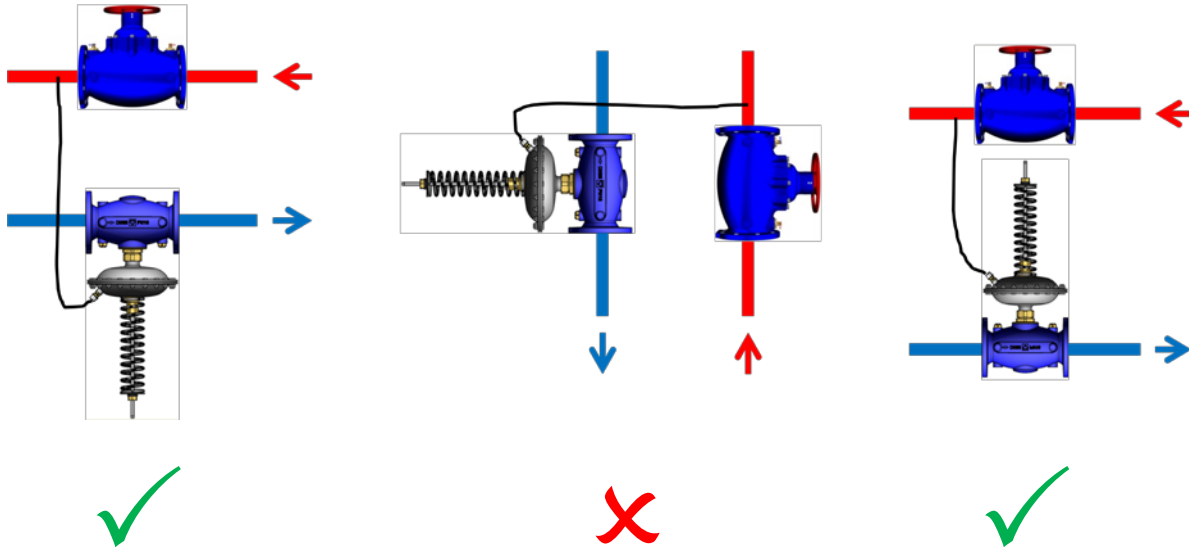
Application

For heating and cooling systems, to ensure constant differential pressure within the control range.

☑ Installation

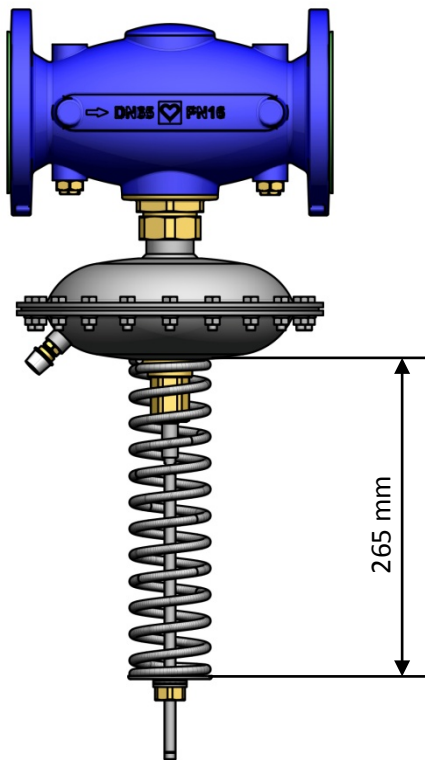
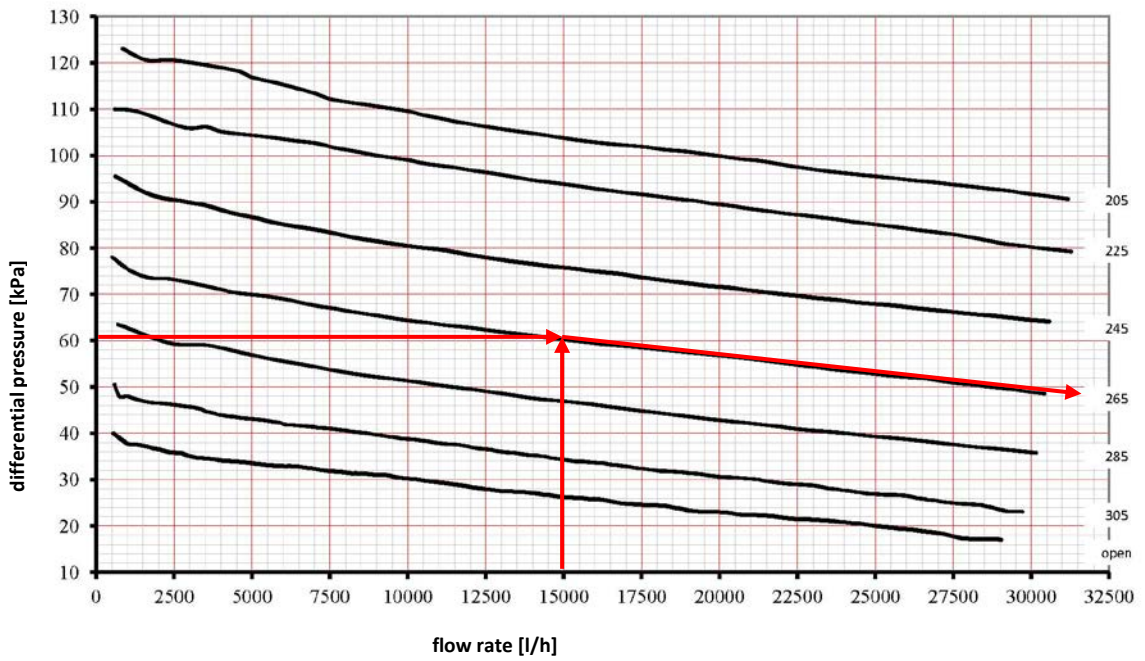
Installation is carried out in the return flow and it should be hanging or standing. The direction of the flow is in the direction of the arrow shown on the body. The impulse pipe should be connected to a commissioning valve in the supply side.

Installation of a shut-off valve both in front and behind the differential pressure controller is recommended. Also the onsite use of a ball valve in the impulse line is recommended in order to prevent pressure shocks on the membrane when filling the device.



Presetting

The desired differential pressure is set by adjusting the spring.
The setting range in the diagrams is in millimetre.



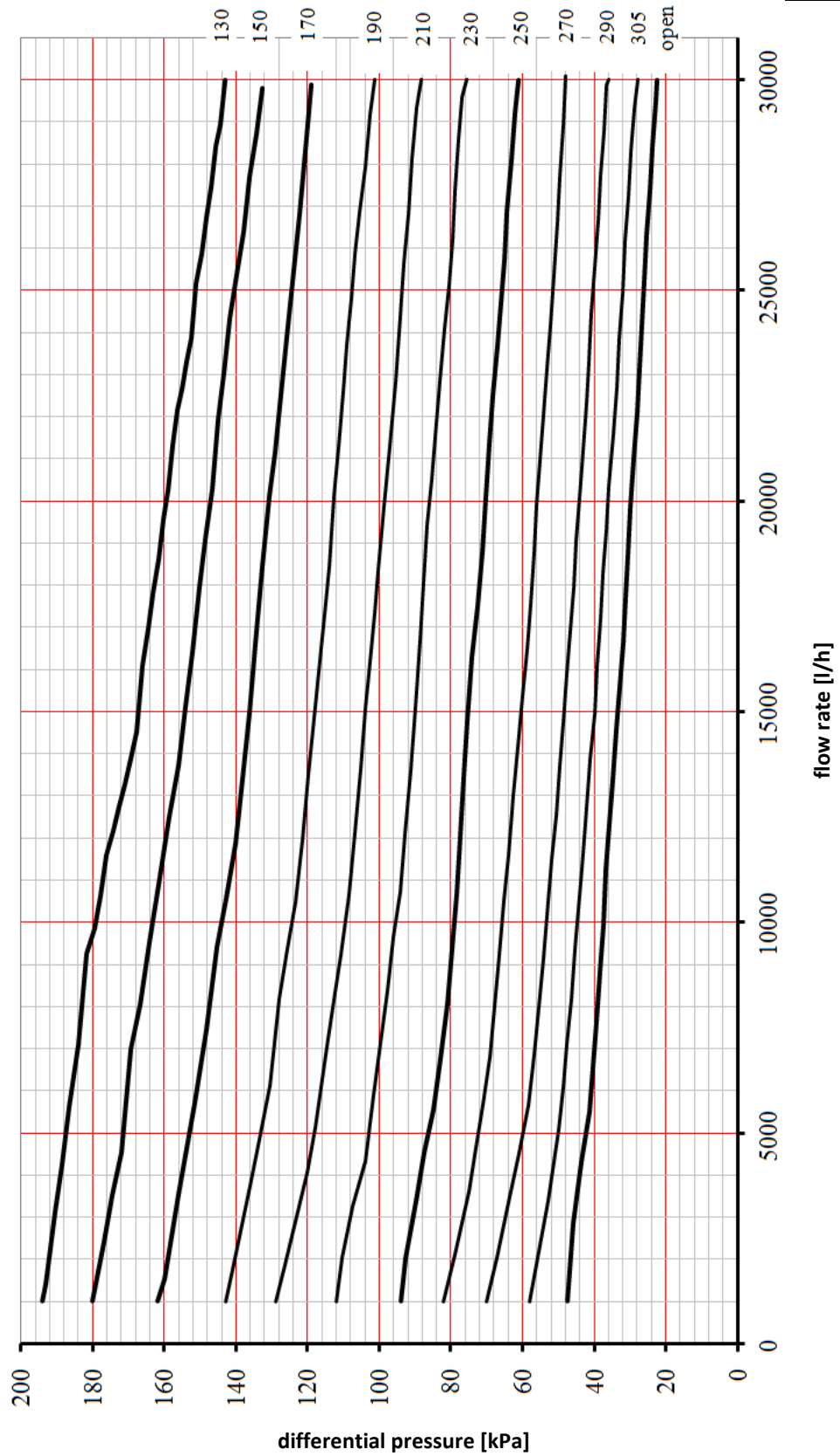
All specifications and statements within this document are according to information available at the time of printing and meant for informational purpose only. Herz Armaturen reserves the right to modify and change products as well as its technical specifications and/or its functioning according to technological progress and requirements. It is understood that all images of Herz products are symbolic representations and therefore may visually differ from the actual product. Colours may differ due to printing technology used. In case of any further questions do not hesitate to contact your closest HERZ Branch-office.

HERZ standard diagram

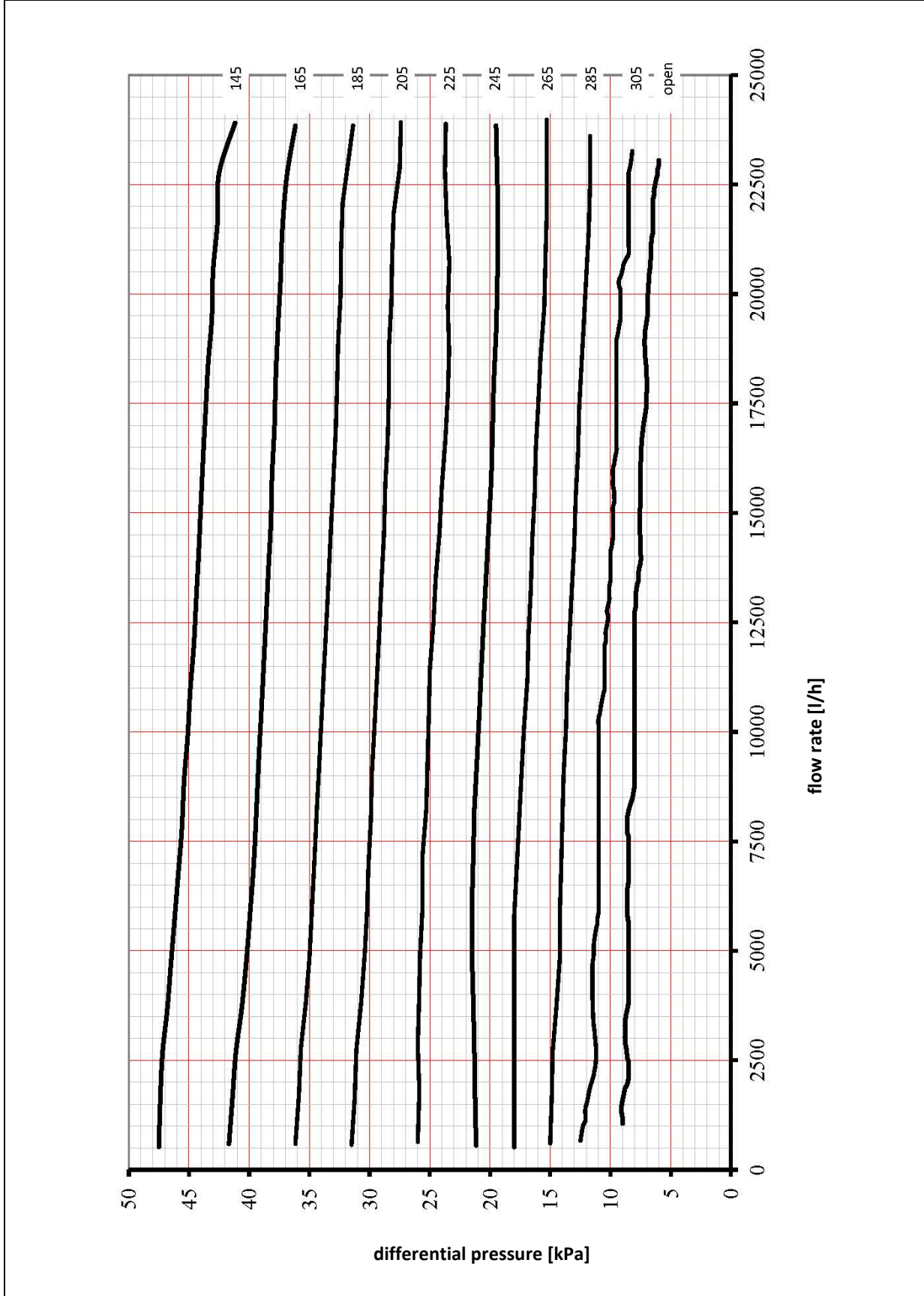
HERZ F 4007 50 – 150 kPa

Order Nr.: F 4007 26

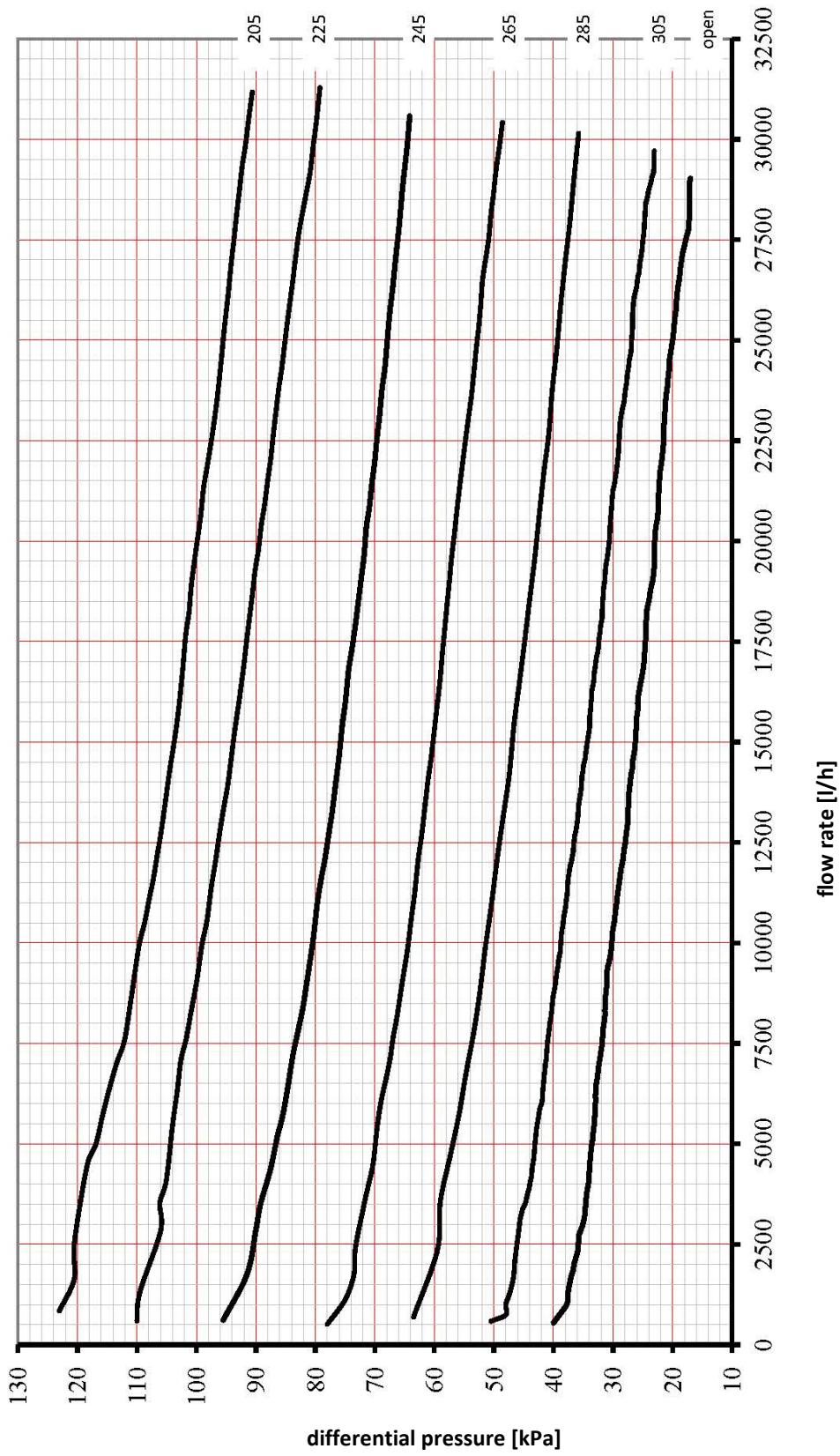
Dim. DN 50



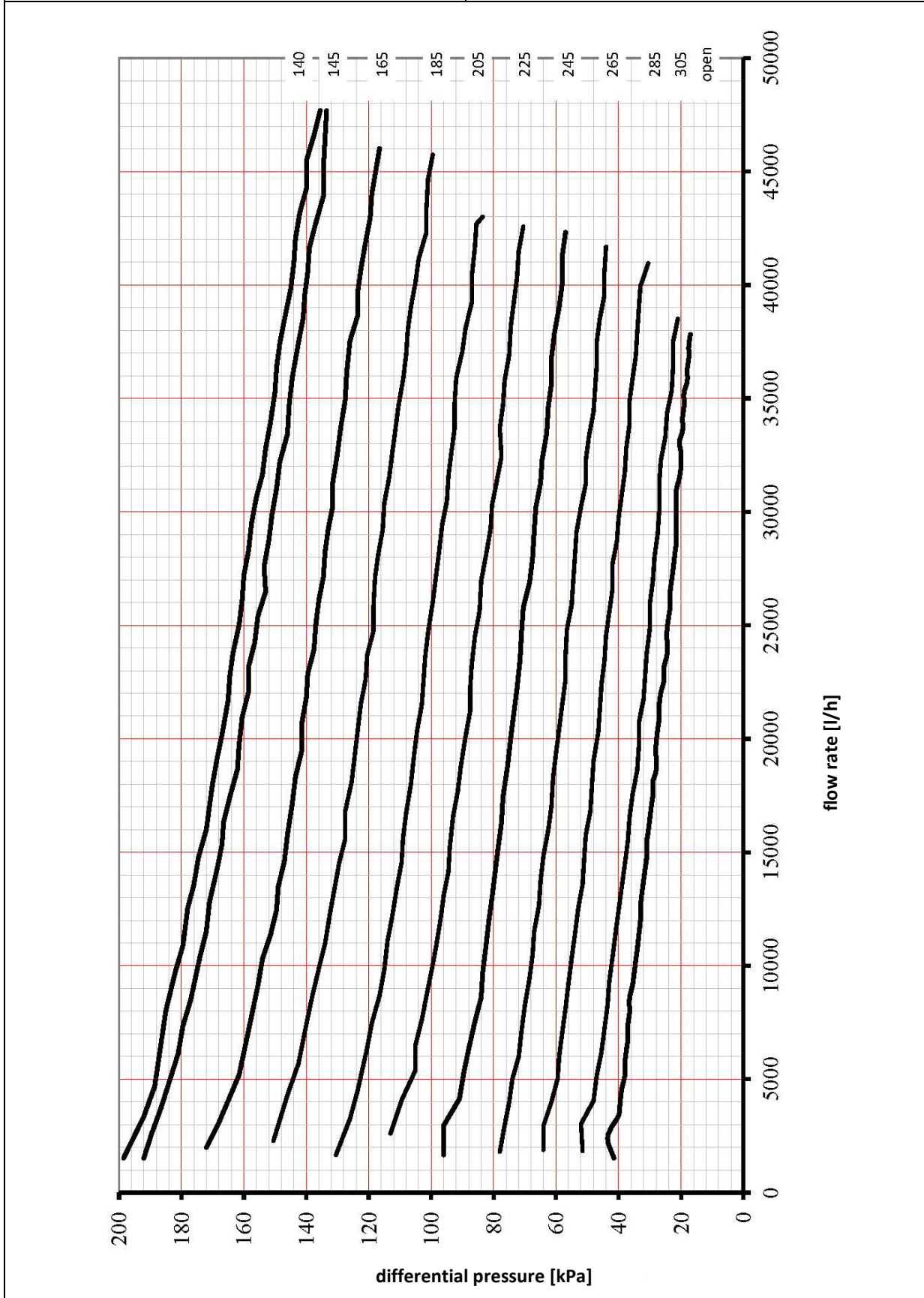
HERZ standard diagram	HERZ F 4007 10 – 40 kPa
Order Nr.: F 4007 07	Dim. DN 65



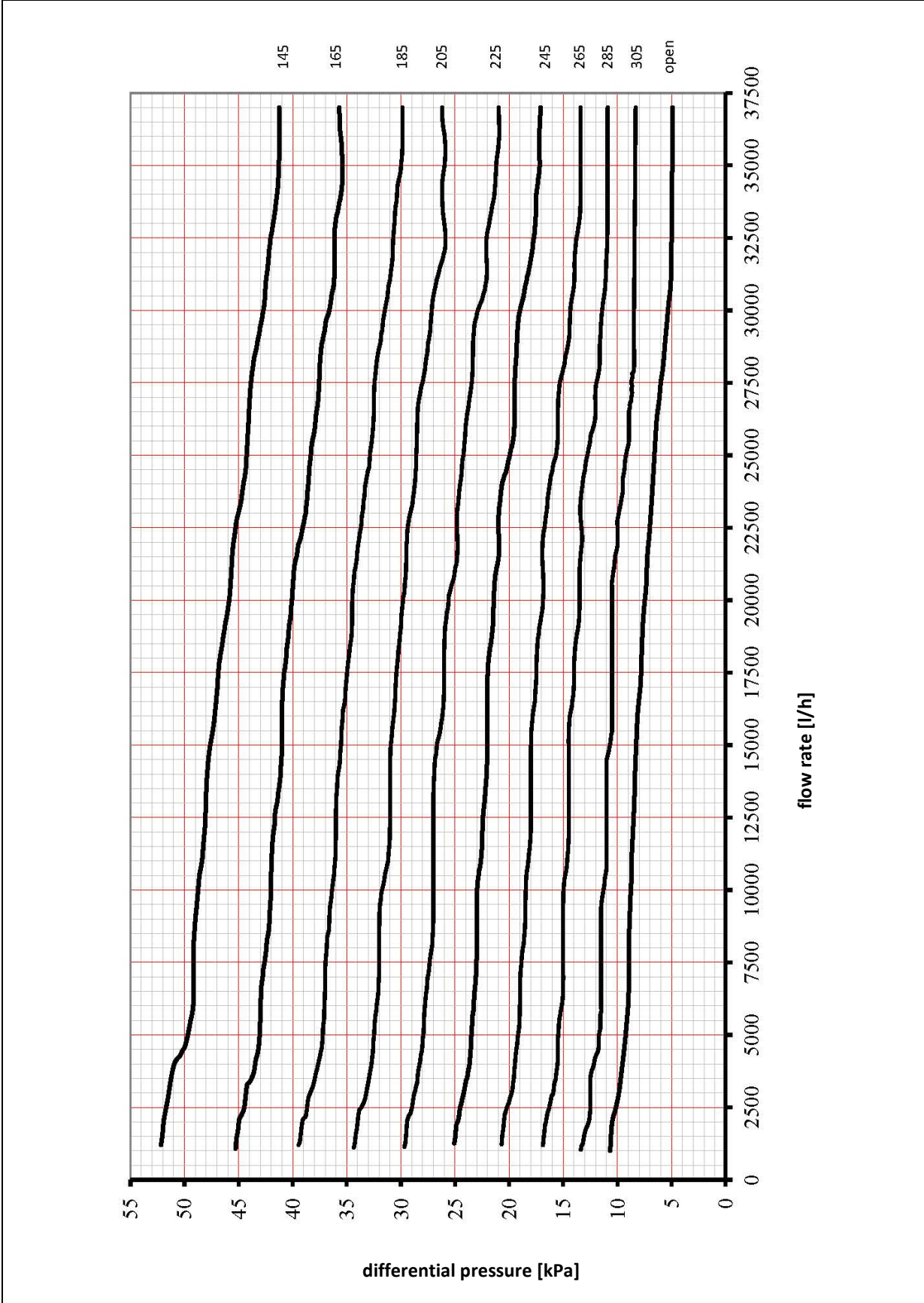
HERZ standard diagram	HERZ F 4007 20 – 80 kPa
Order Nr.: F 4007 17	Dim. DN 65



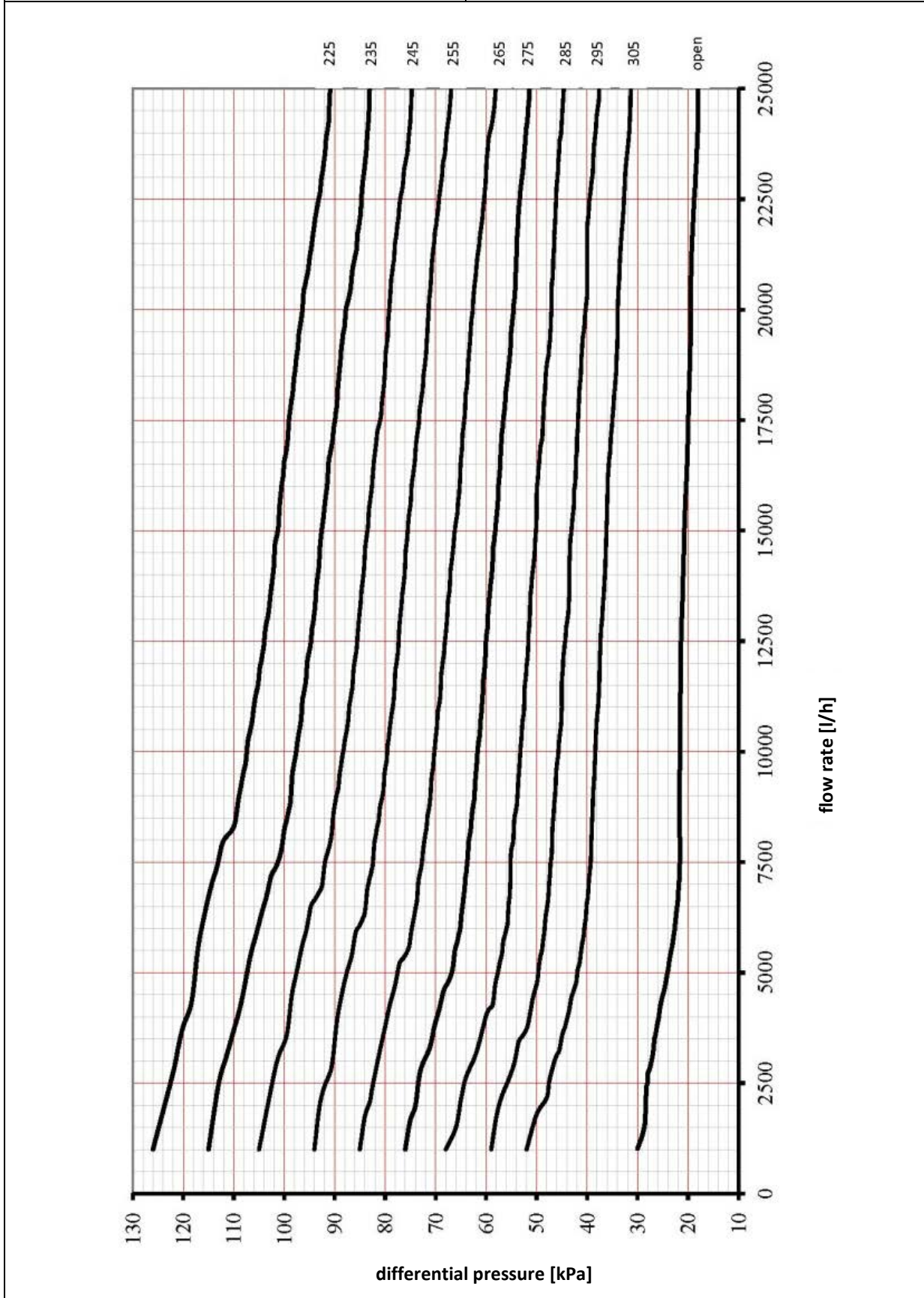
HERZ standard diagram	HERZ F 4007 50 – 150 kPa
Order Nr.: F 4007 27	Dim. DN 65



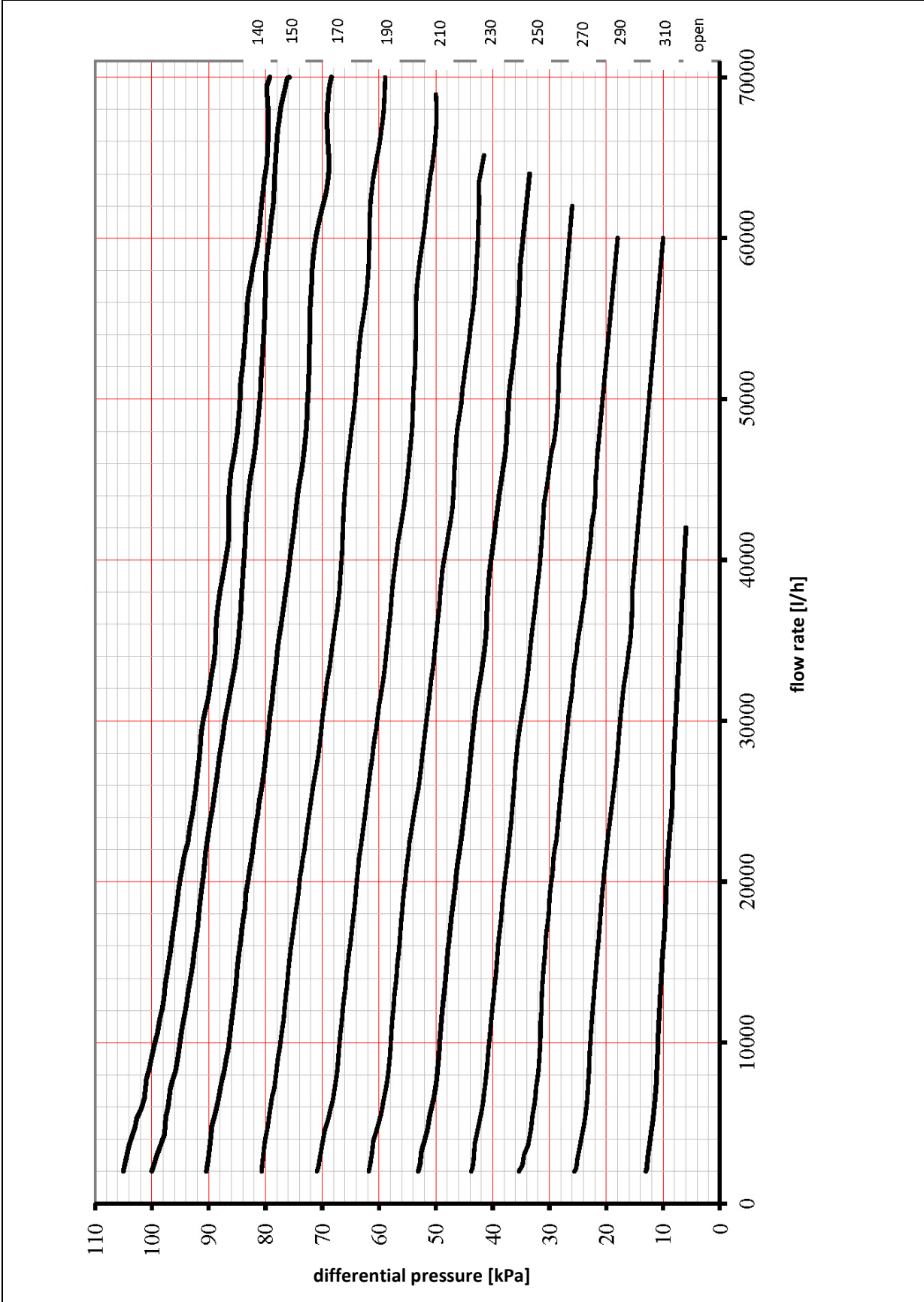
HERZ standard diagram	HERZ F 4007 10 – 40 kPa
Order Nr.: F 4007 08	Dim. DN 80



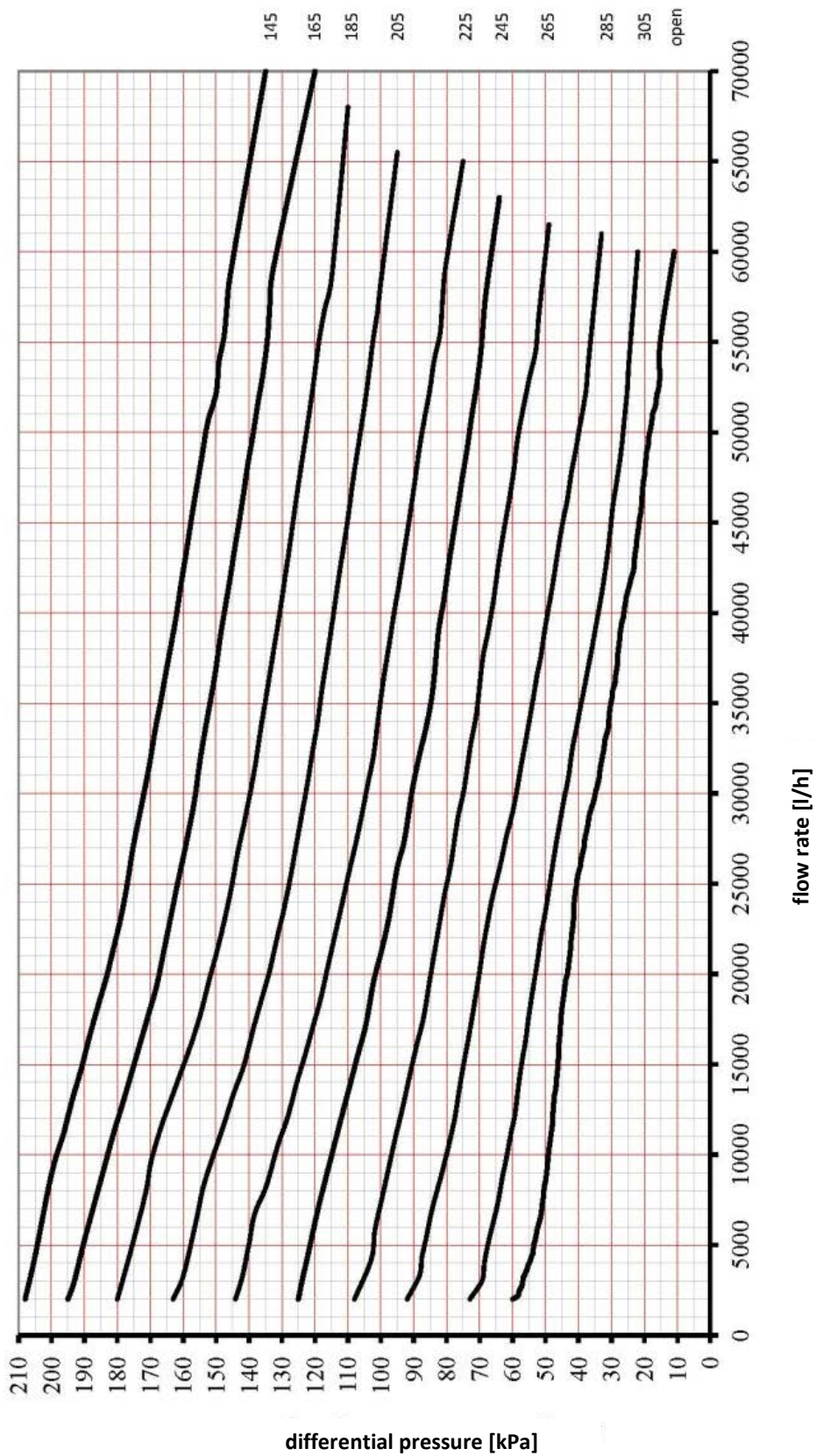
HERZ standard diagram	HERZ F 4007 20 – 80 kPa
Order Nr.: F 4007 18	Dim. DN 80



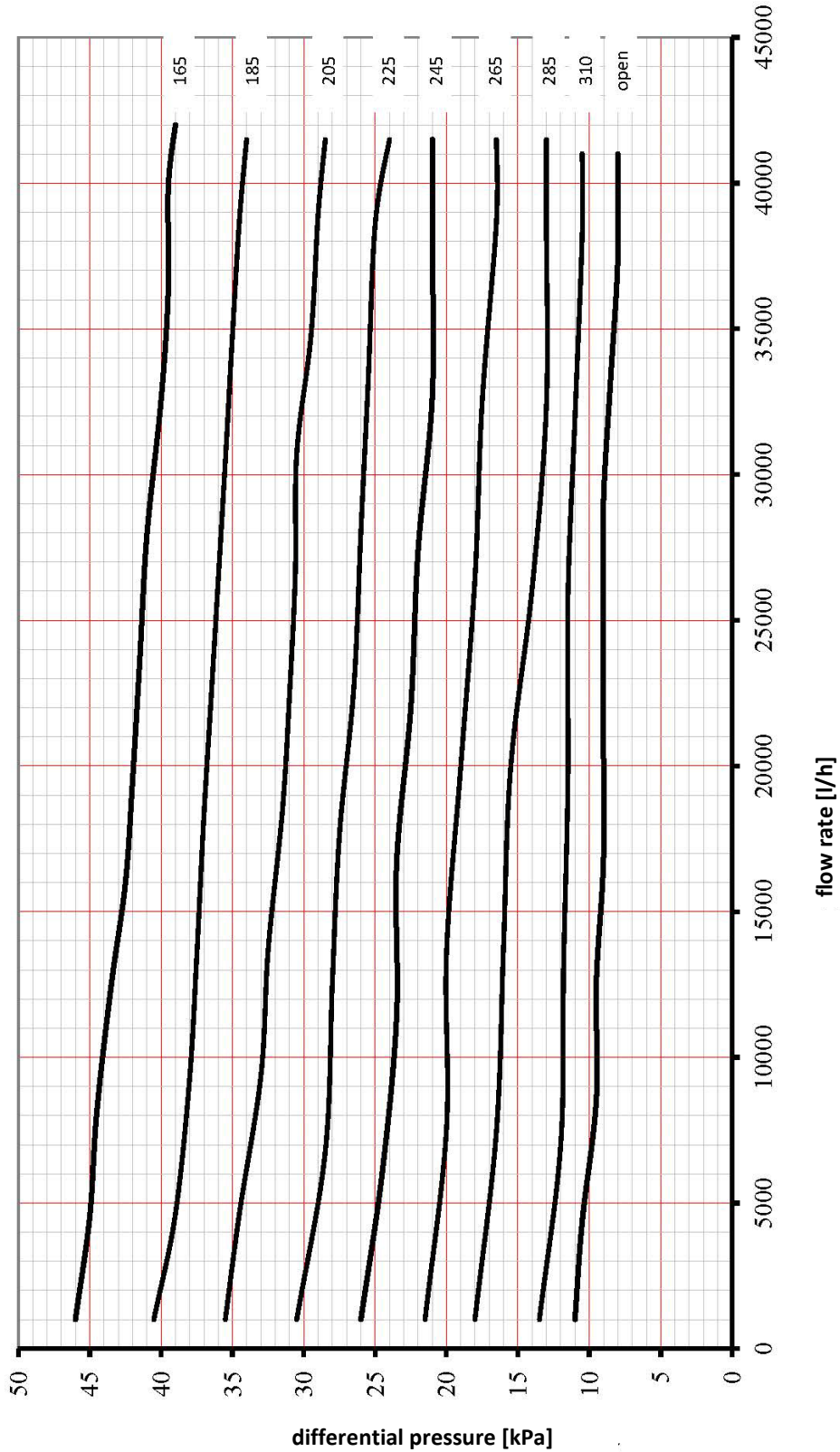
HERZ standard diagram	HERZ F 4007 20 – 80 kPa
Order Nr.: F 4007 38	Dim. DN 80 HF



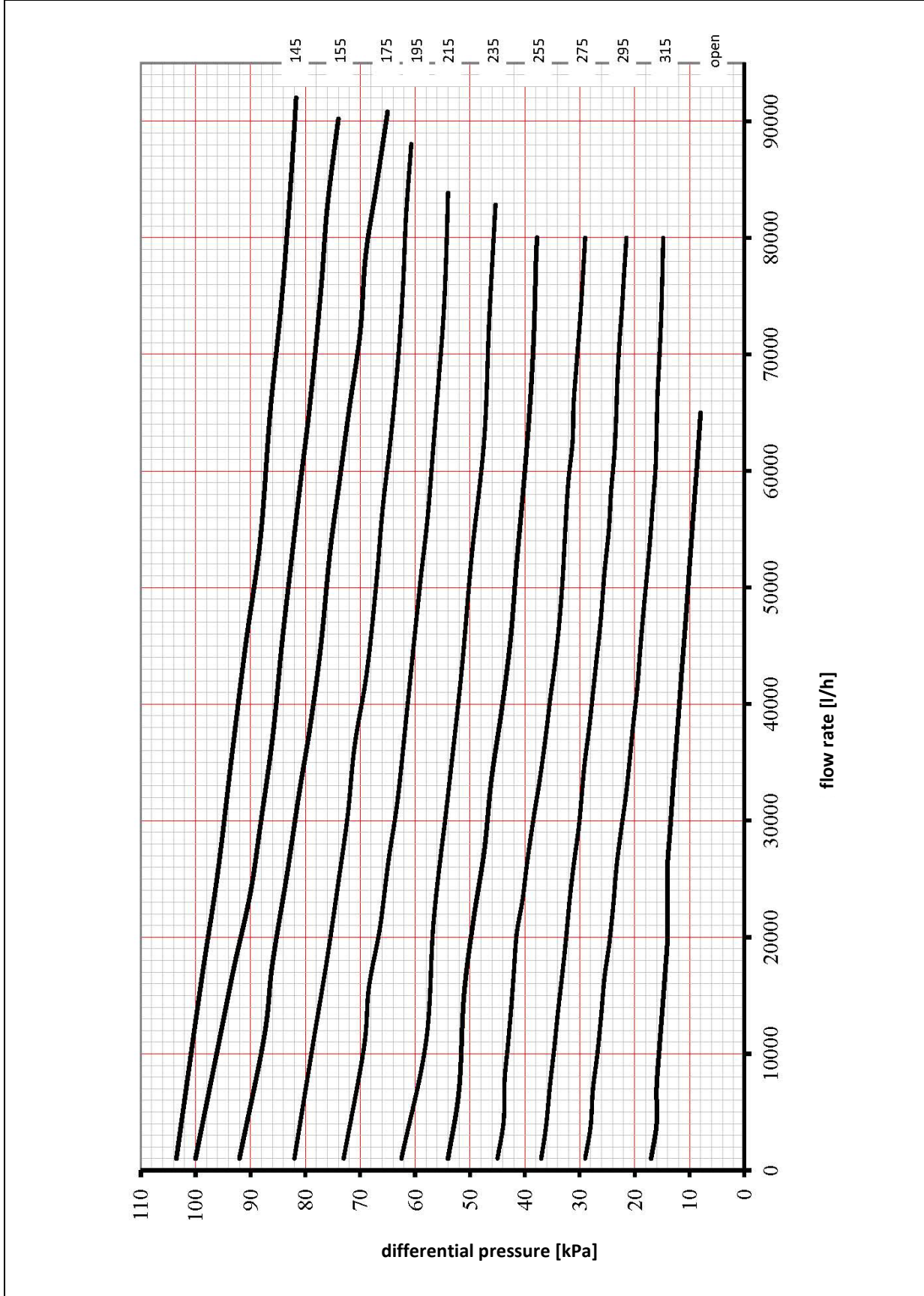
HERZ standard diagram	HERZ F 4007 50 – 150 kPa
Order Nr.: F 4007 28	Dim. DN 80



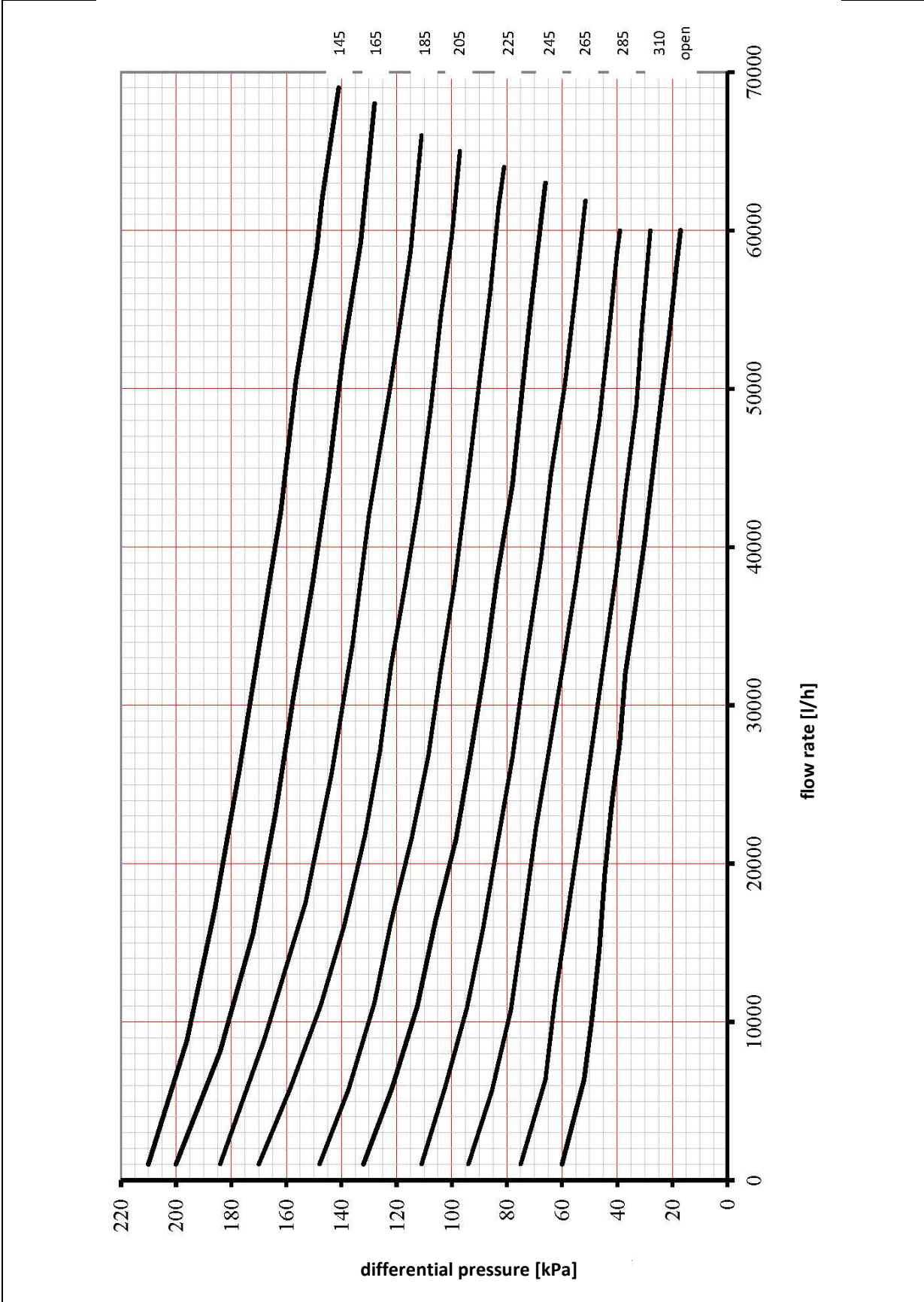
HERZ standard diagram	HERZ F 4007 10 – 40 kPa
Order Nr.: F 4007 09	Dim. DN 100



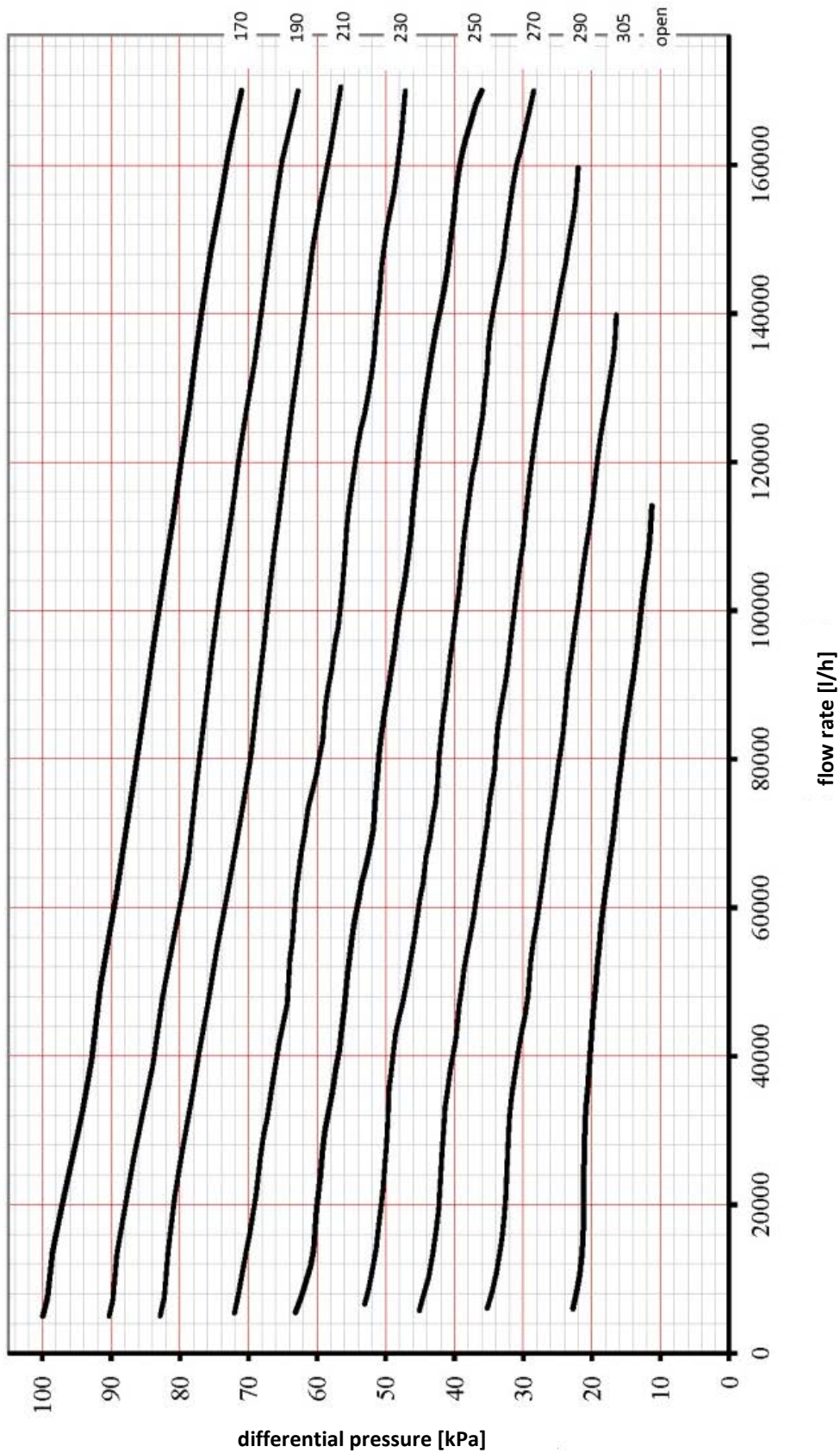
HERZ standard diagram	HERZ F 4007 20 – 80 kPa
Order Nr.: F 4007 19	Dim. DN 100



HERZ standard diagram	HERZ F 4007 50 – 150 kPa
Order Nr.: F 4007 29	Dim. DN 100



HERZ standard diagram	HERZ F 4007 20 – 80 kPa
Order Nr.: F 4007 20	Dim. DN 125

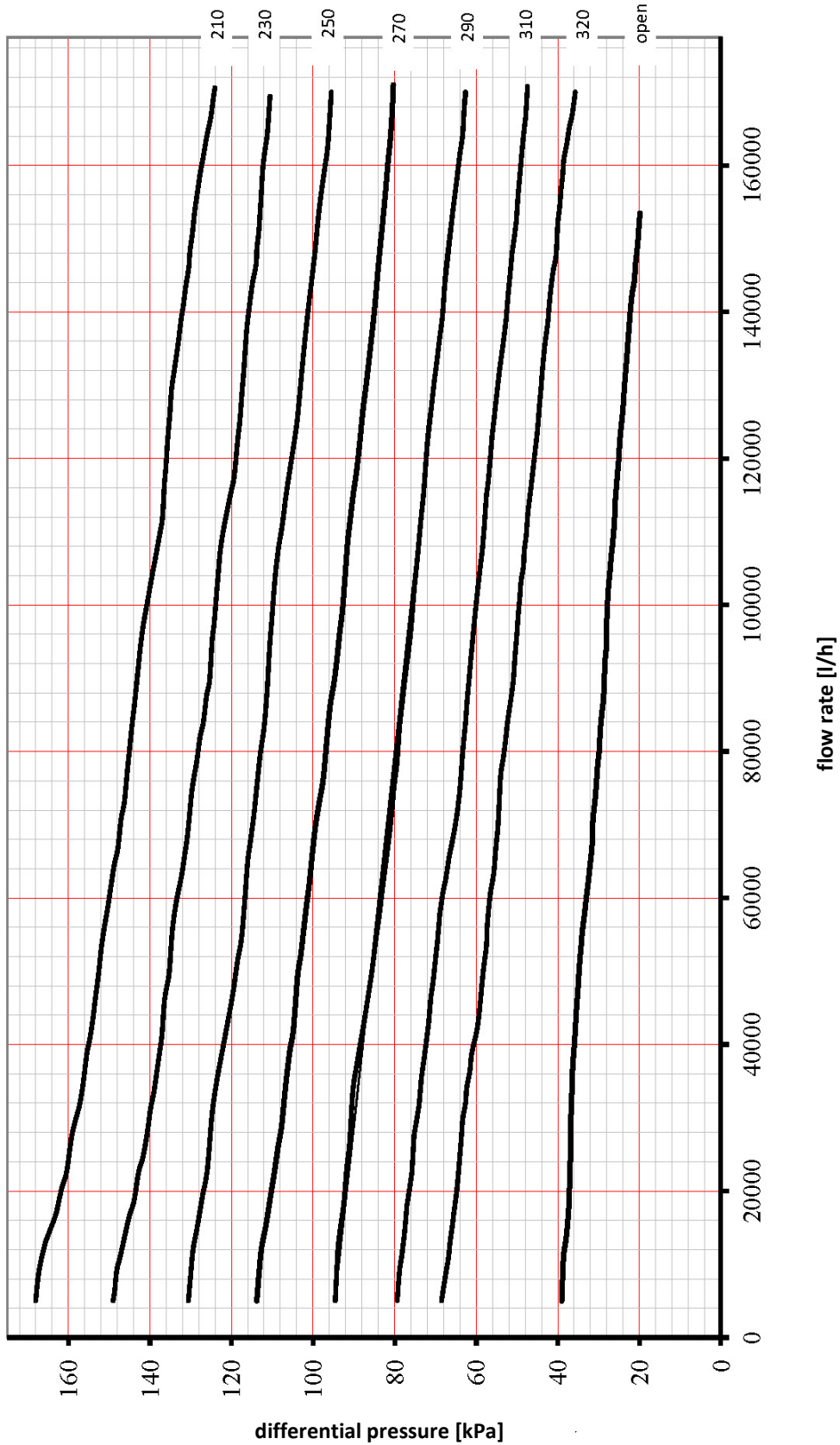


HERZ standard diagram

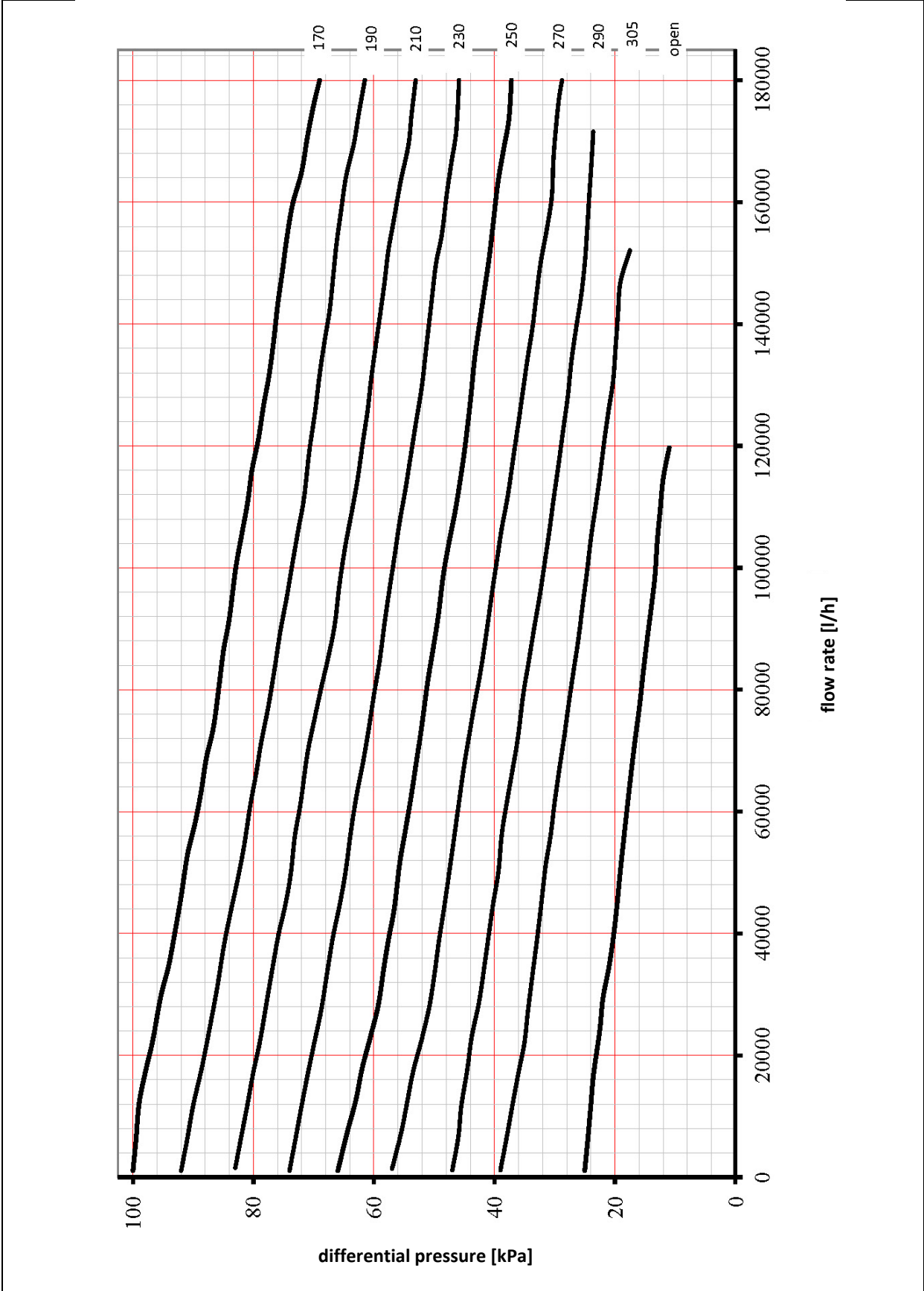
HERZ F 4007 50 – 150 kPa

Order Nr.: F 4007 30

Dim. DN 125



HERZ standard diagram	HERZ F 4007 20 – 80 kPa
Order Nr.: F 4007 21	Dim. DN 150



HERZ standard diagram	HERZ F 4007 50 – 150 kPa
Order Nr.: F 4007 31	Dim. DN 150

