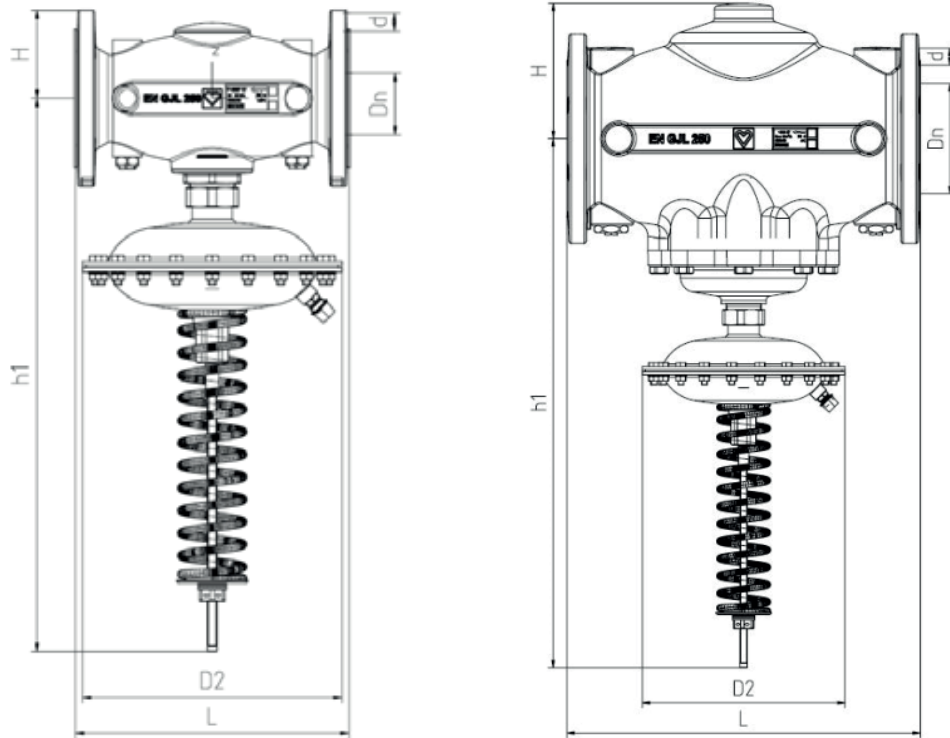


# HERZ - DP Controller flanged version

Data sheet for F 4007, Issue 0320

Dimensions in mm



	F 4007 26	F 4007 07	F 4007 17	F 4007 27	F 4007 38	F 4007 08	F 4007 18	F 4007 28	F 4007 09	F 4007 19	F 4007 29	F 4007 20	F 4007 30	F 4007 21	F 4007 31	F 4007 32
DN	50	65			80				100			125		150		200
L (mm)	230	290			310				350			400		480		600
h1 (mm)	566	581	567	567	603	603	588	588	603	588	727		721		808	
H (mm)	82	93			113				112			181		185		222
d (mm)	19	19			19				19			19		23		23
D <sub>2</sub> (mm)	156	275	156	156	275	275	156	156	275	156	275	275	275	275	275	275
dp setting range (kPa)	50-150	10-40	20-80	50-150	20-80	10-40	20-80	50-150	10-40	20-80	50-150	20-80	50-150	20-80	50-150	50-150

### Application

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

### 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 pipe (1500 mm) is included in the valve set and has to be connected to a double regulating valve on the supply side.

### Technical data

Max. operating pressure:	16 bar
Testing pressure:	25 bar
Max. differential pressure:	4 bar
Min. operating temperature:	2 ° C
Max. allowed operating temperature:	110 ° C
Min. operating temperature:	-10 ° C (with anti freeze)
Valve body material:	EN-GJL-250 gem. 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 ÖNORM H 5195 and VDI 2035 standards.

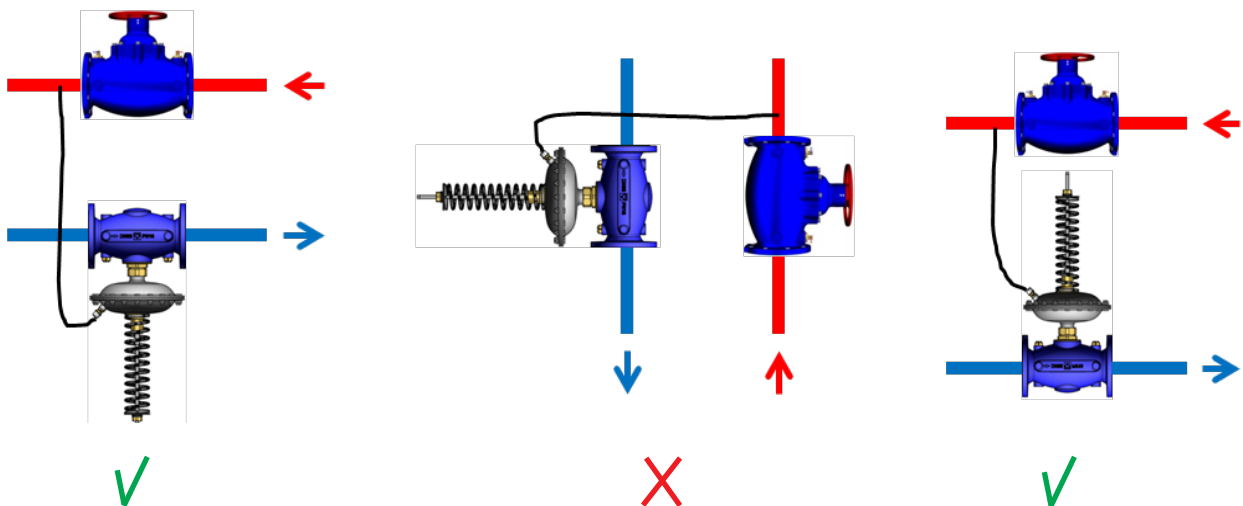
Ethylene and propylene glycol can be mixed in ratio of 25 - 50 vol. [%].

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

### Installation

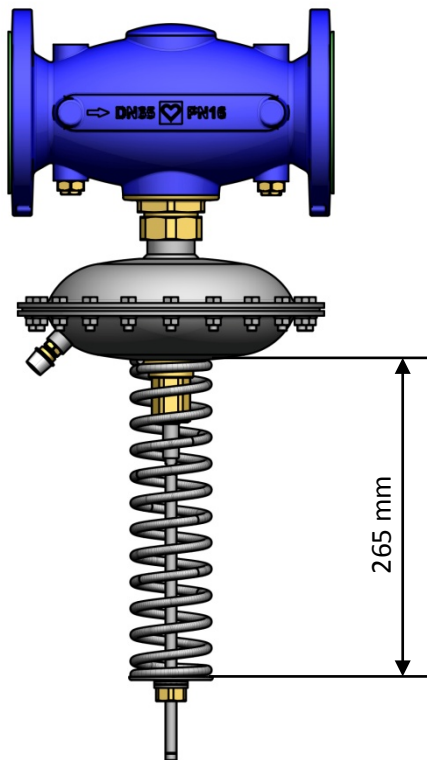
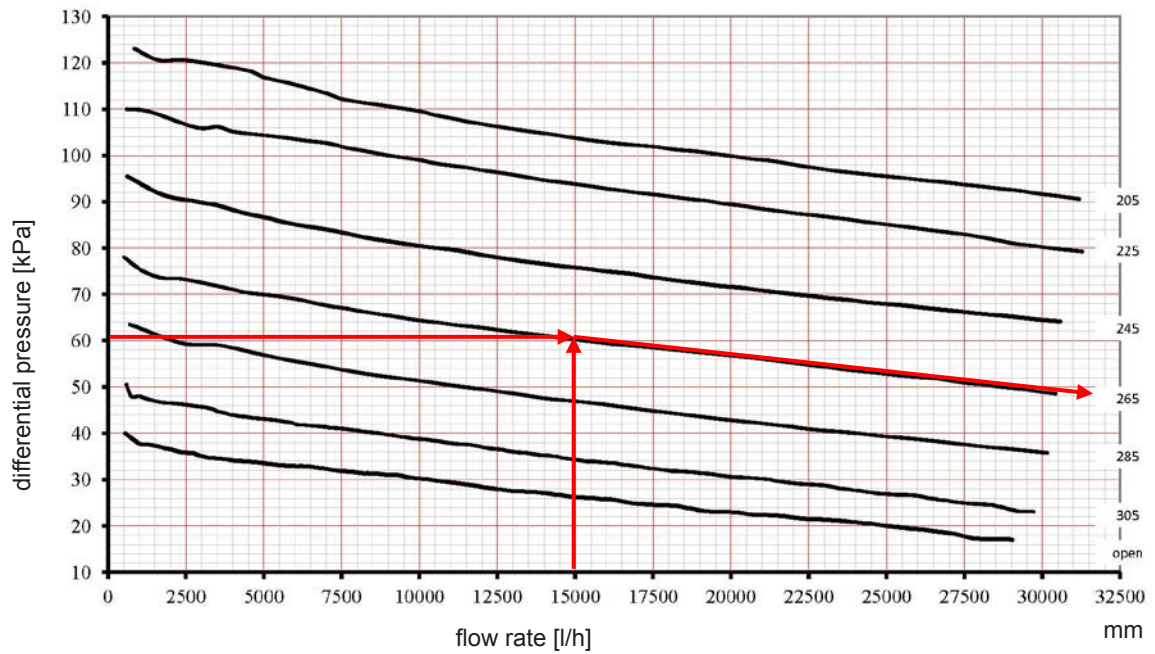
Installation has to be carried on return flow side with the valve standing or hanging as shown below. The direction of the flow is in direction of the arrow shown on the body. The impulse pipe should be connected to a double regulating valve on the supply side.

Installation of a shut-off valve both in front and behind the differential pressure controller is recommended. Also the on site 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.



**☑ General information****Intended Use**

This product is only intended for the purpose intended by the manufacturer. This also includes compliance with all associated product regulations. Changes or conversions are not permitted.

**Disposal**

Local and currently applicable legislation must be observed for disposal.

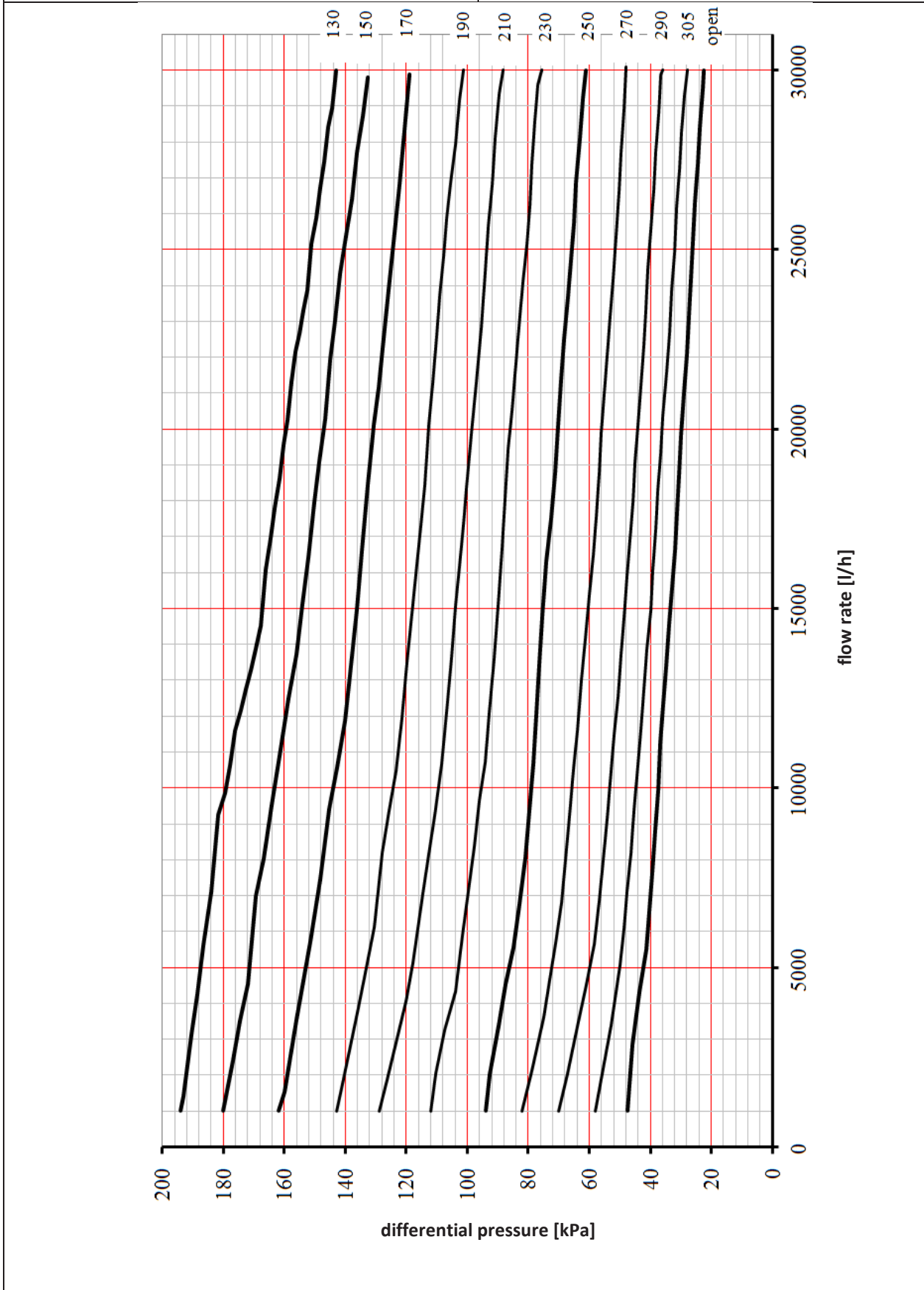
**Note**

All schemes are symbolic in nature and do not claim to be complete.

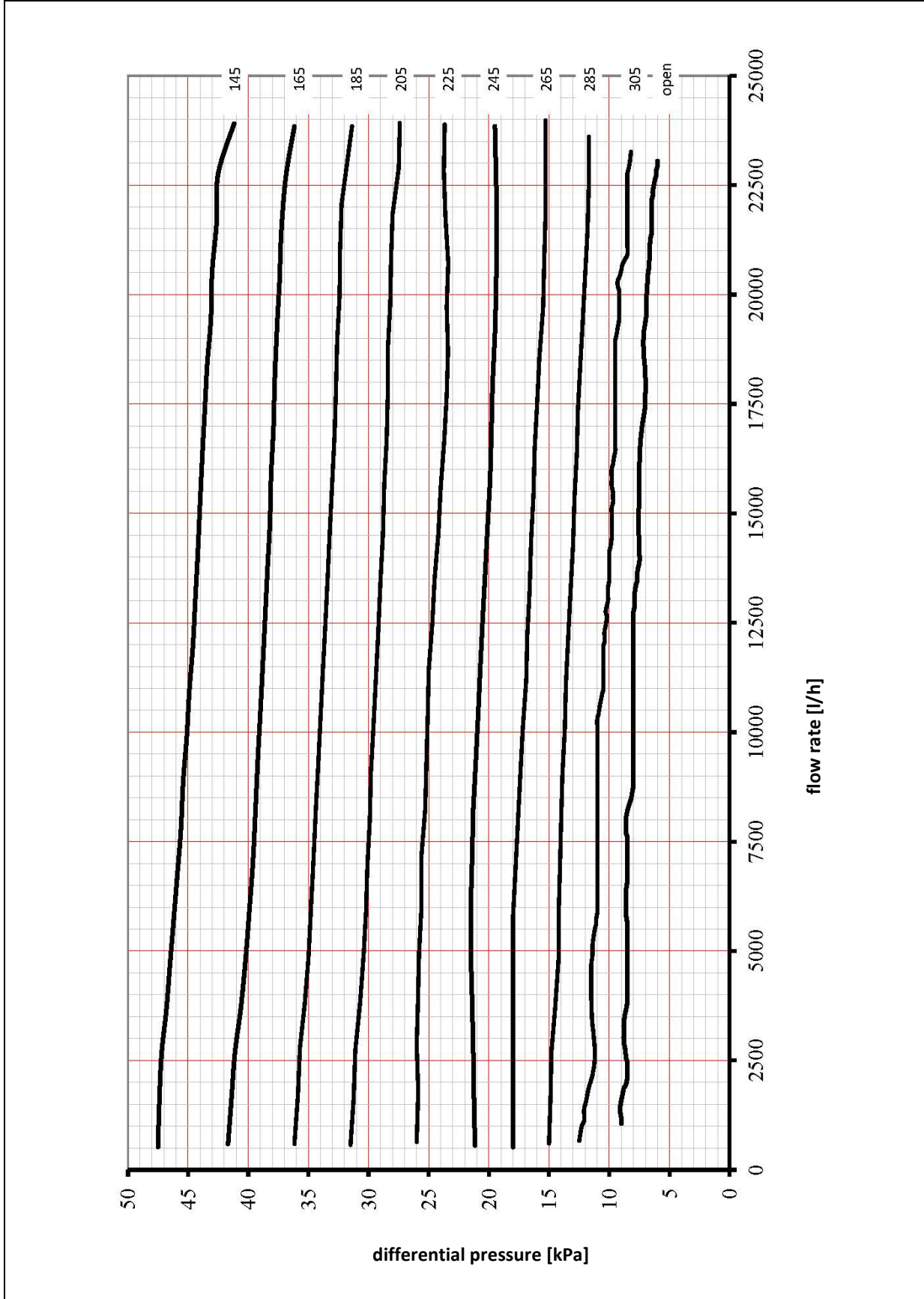
**Material**

Pursuant to Article 33 of the REACH Regulation (EC No. 1907/2006), we are obliged to point out that the material lead is listed on the SVHC list and that all brass components manufactured in our products exceed 0.1% (w / w) lead (CAS: 7439-92-1 / EINECS: 231-100-4). Since lead is a component part of an alloy, actual exposure is not possible and therefore no additional information on safe use is necessary.

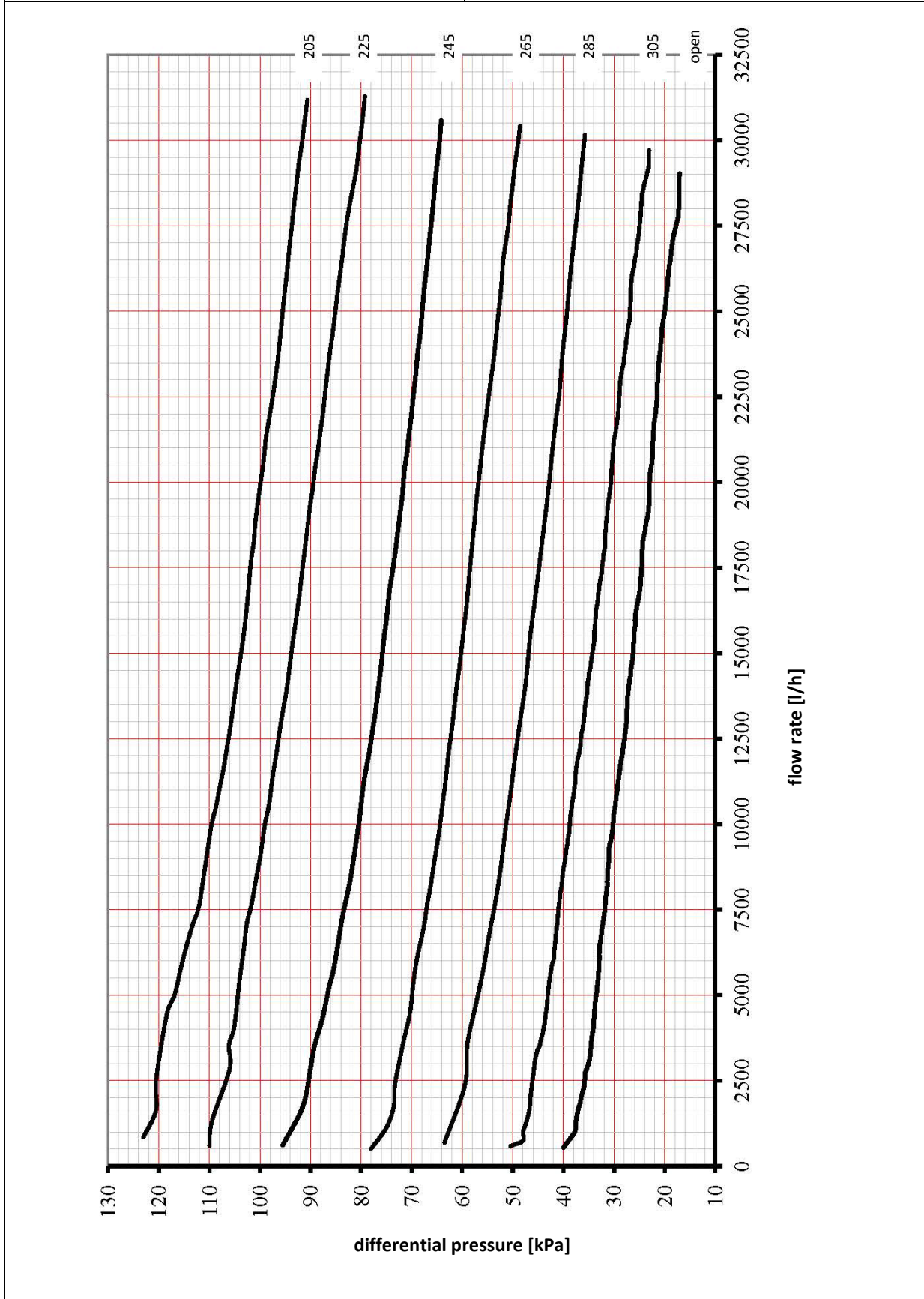
HERZ standard diagram	HERZ F 4007 50 – 150 kPa
Order Nr.: F 4007 26	Dim. DN 50



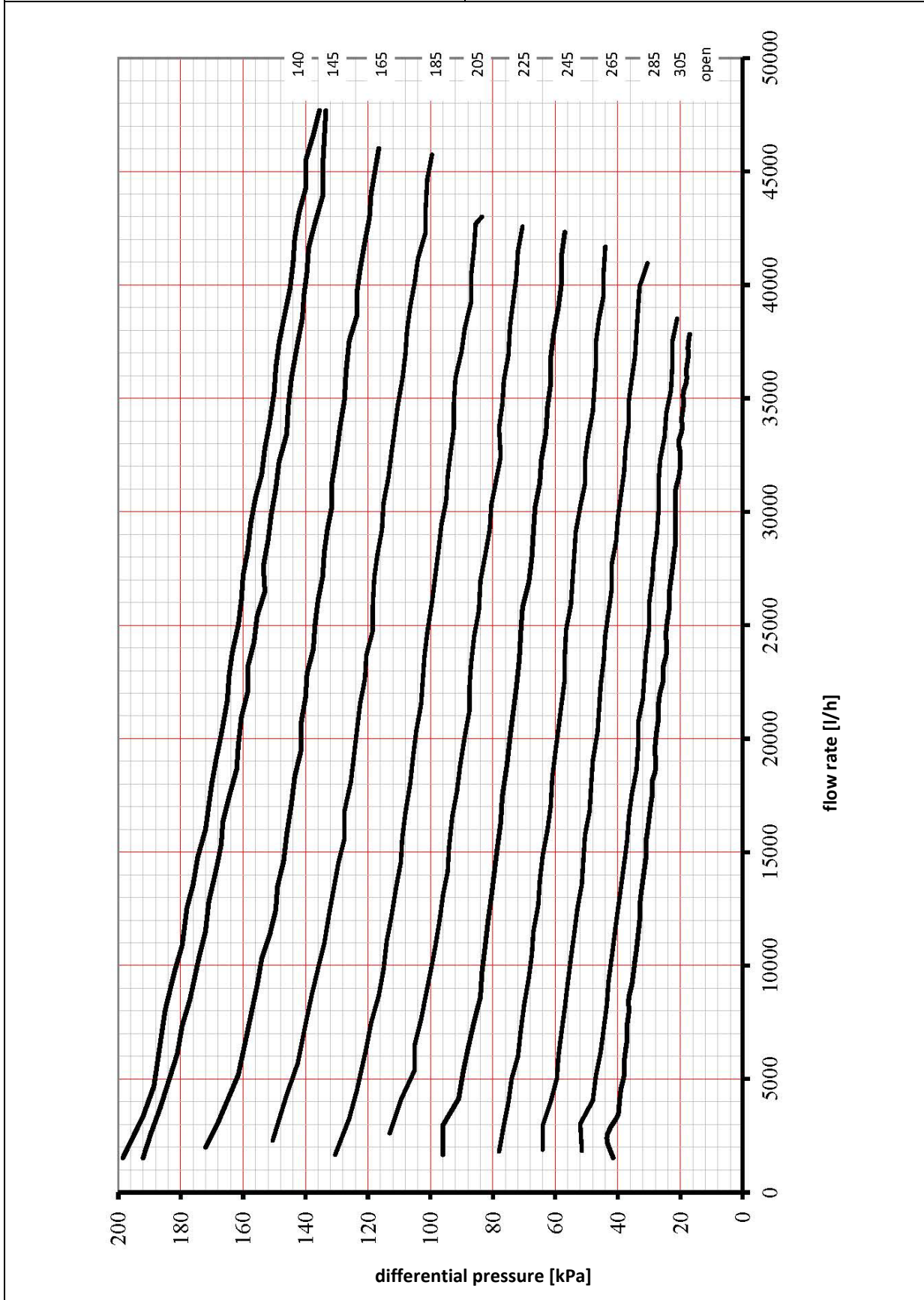
HERZ standard diagram	HERZ F <b>4007</b> 10 – 40 kPa
Order Nr.: F <b>4007</b> 07	Dim. DN 65



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

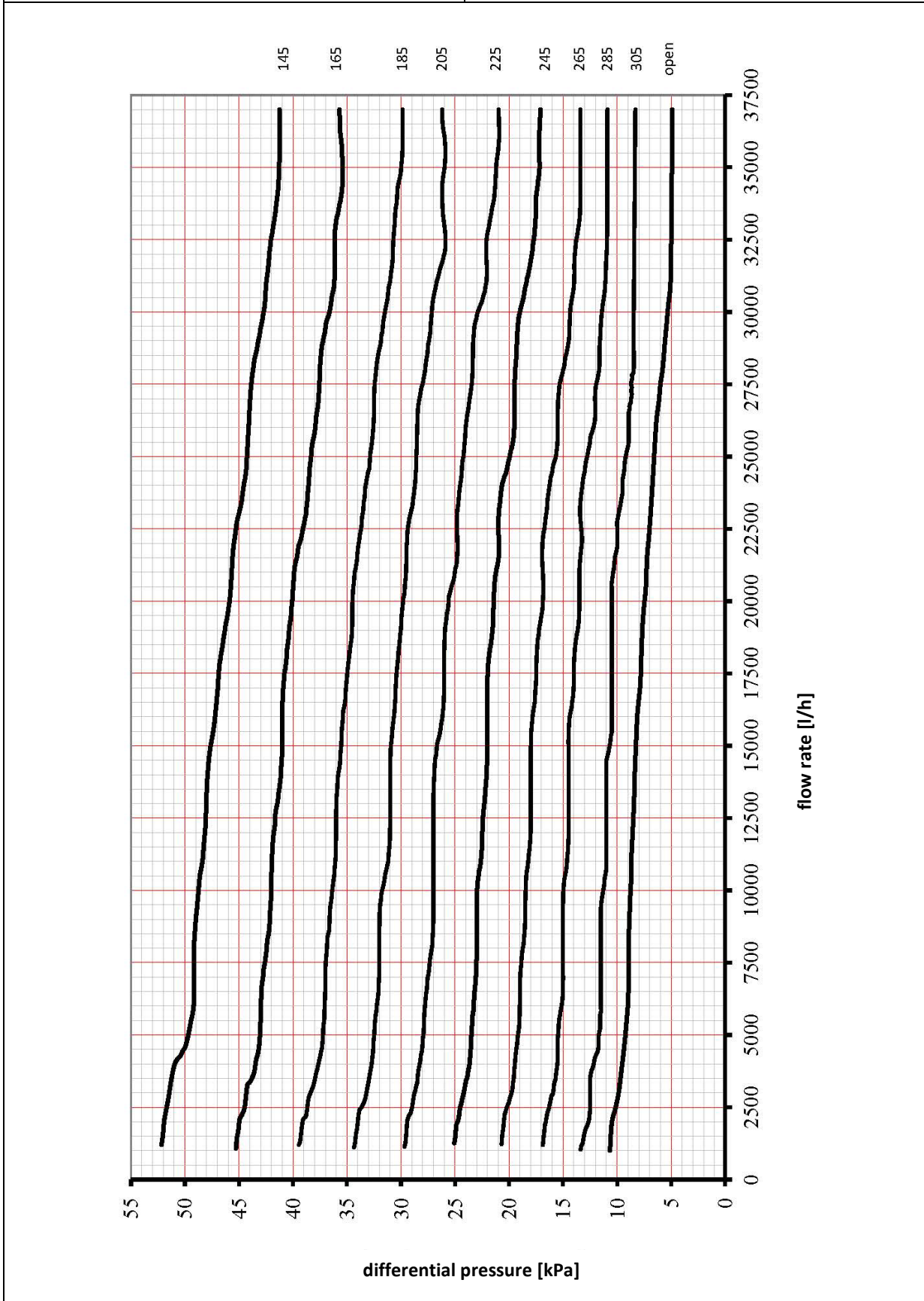


HERZ standard diagram	HERZ F <b>4007</b> 50 – 150 kPa
Order Nr.: F <b>4007</b> 27	Dim. DN 65

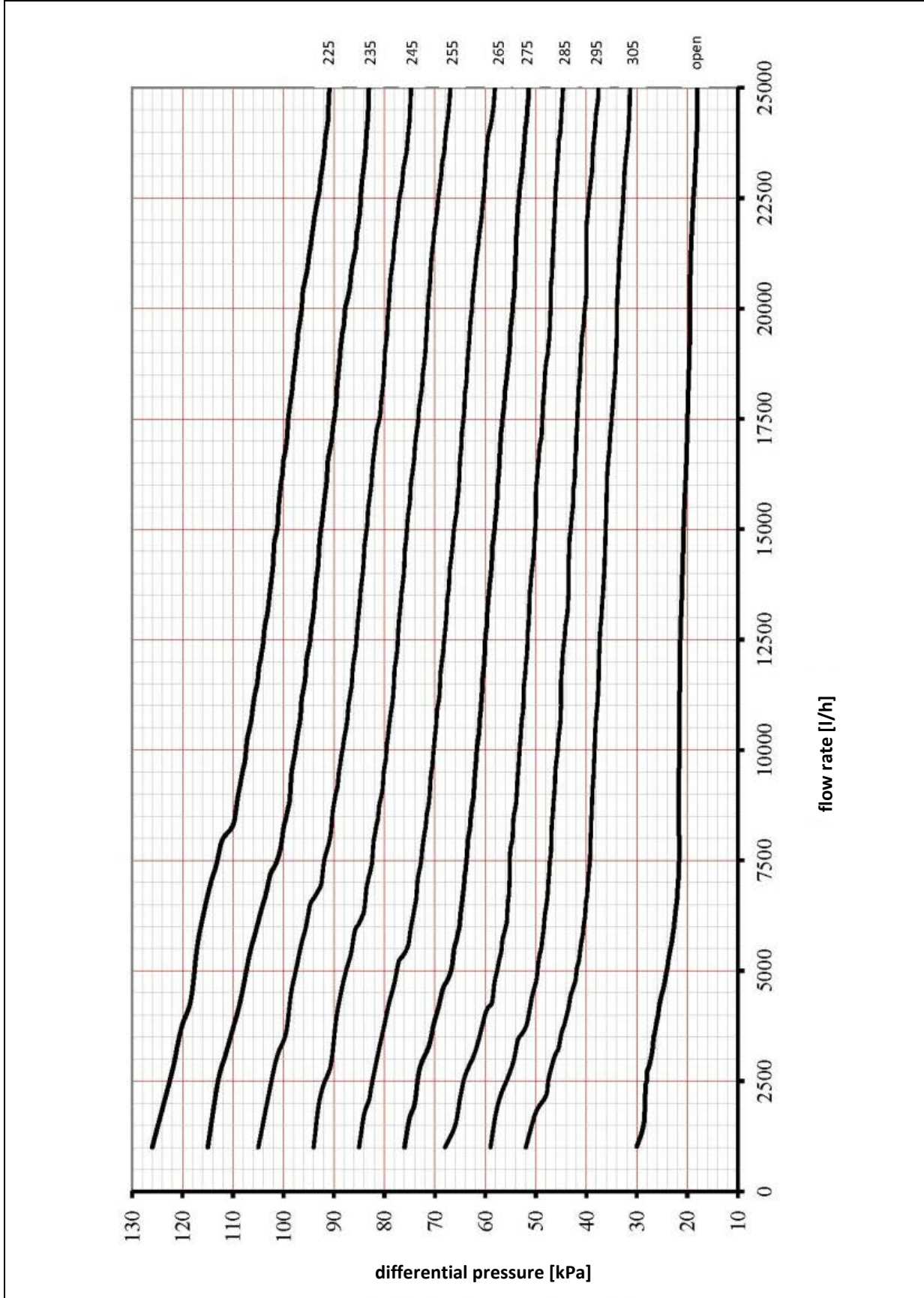




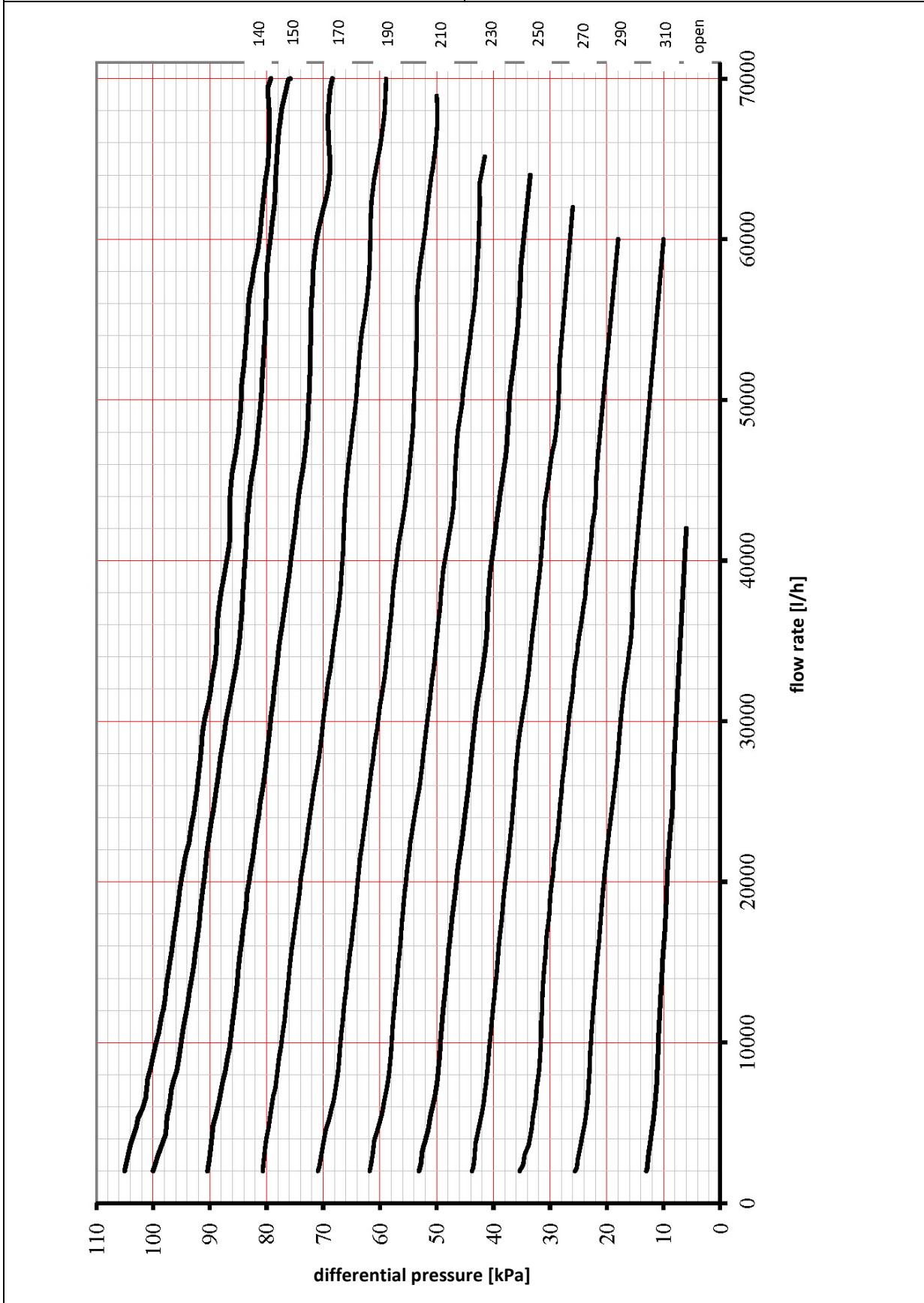
HERZ standard diagram	HERZ F <b>4007</b> 10 – 40 kPa
Order Nr.: F <b>4007</b> 08	Dim. DN 80



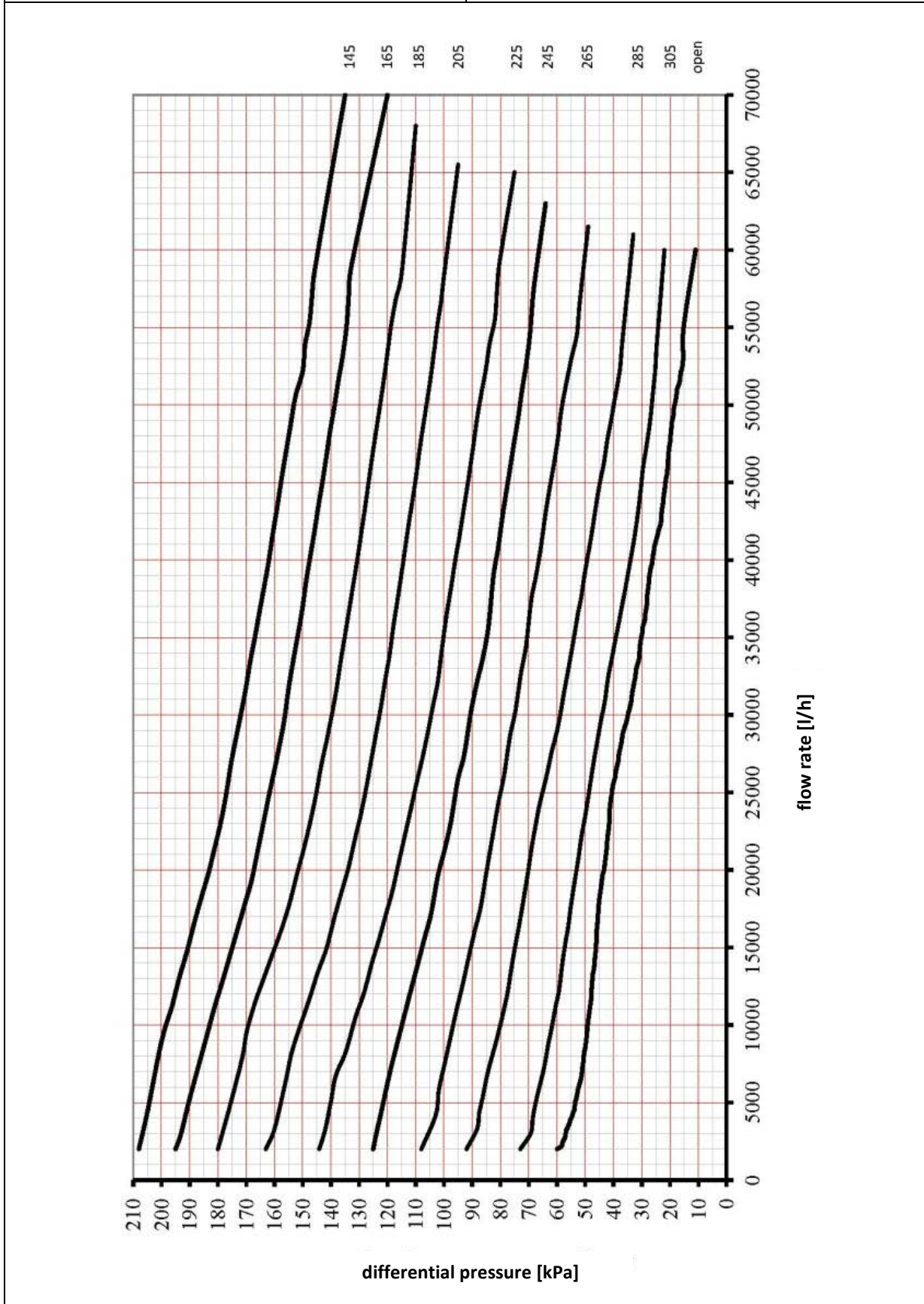
HERZ standard diagram	HERZ F <b>4007</b> 20 – 80 kPa
Order Nr.: F <b>4007</b> 18	Dim. DN 80



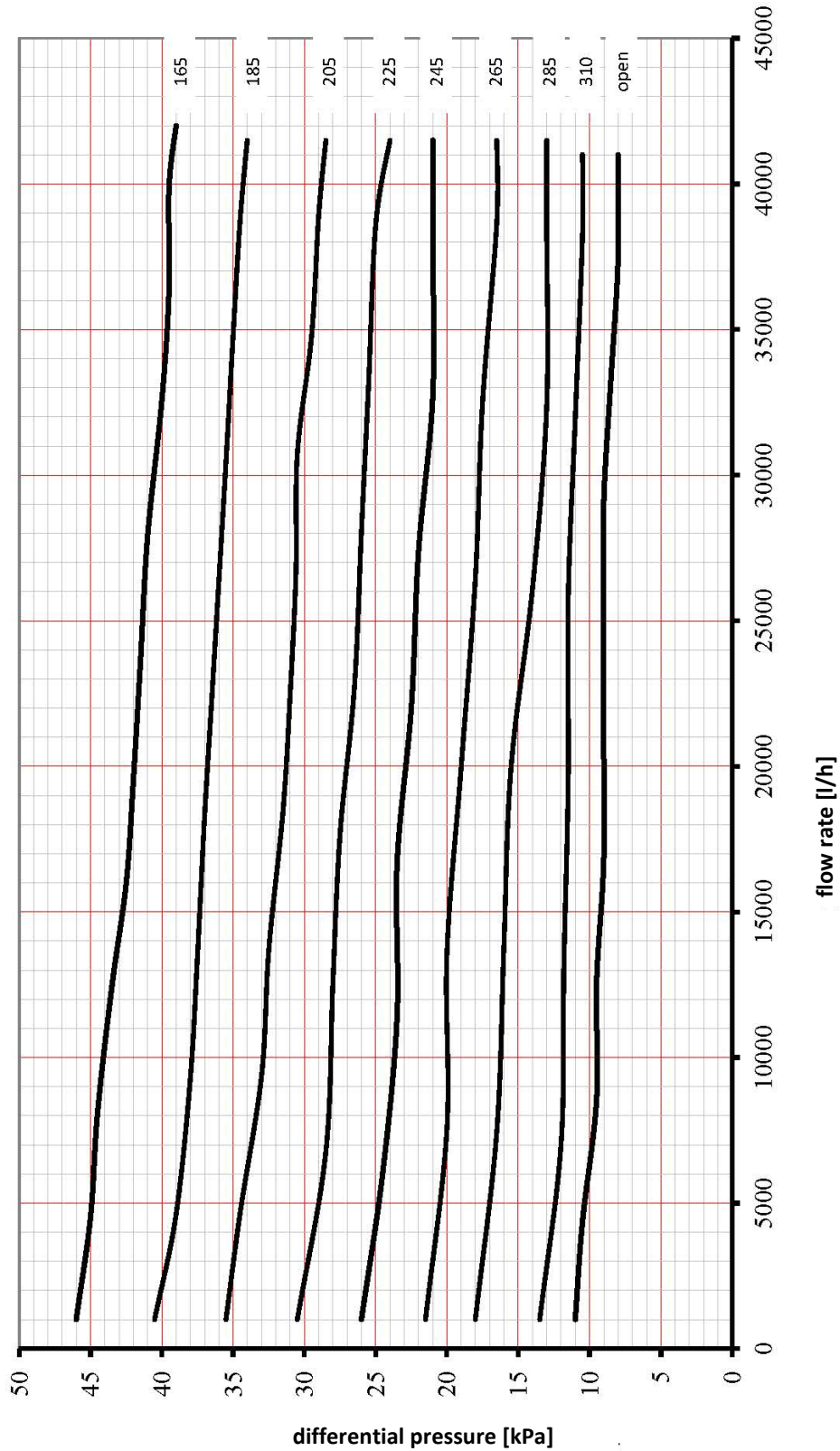
HERZ standard diagram	HERZ F 4007 20 – 80 kPa
Order Nr.: F 4007 38	Dim. DN 80 HF



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

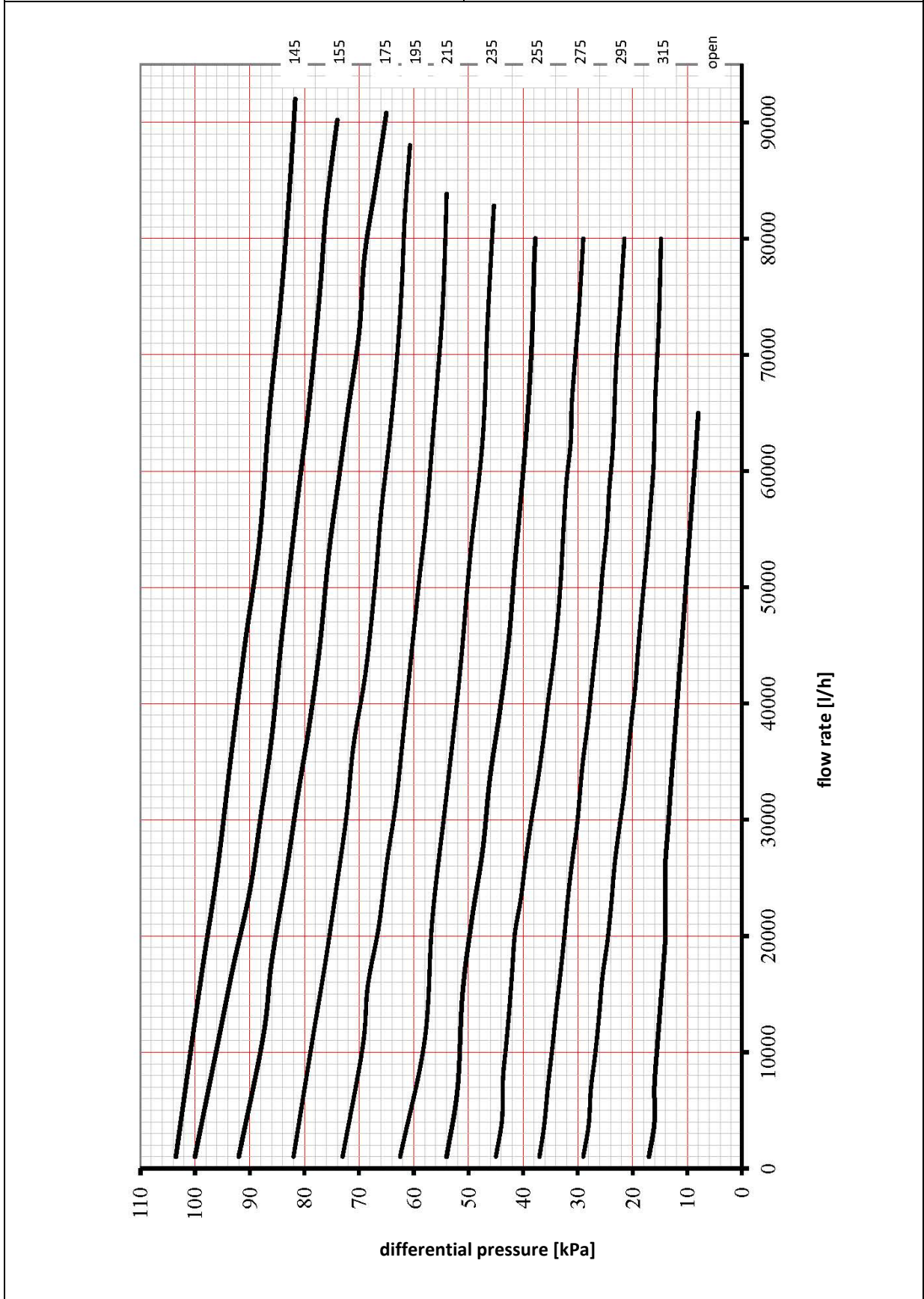


HERZ standard diagram	HERZ F <b>4007</b> 10 – 40 kPa
Order Nr.: F <b>4007</b> 09	Dim. DN 100

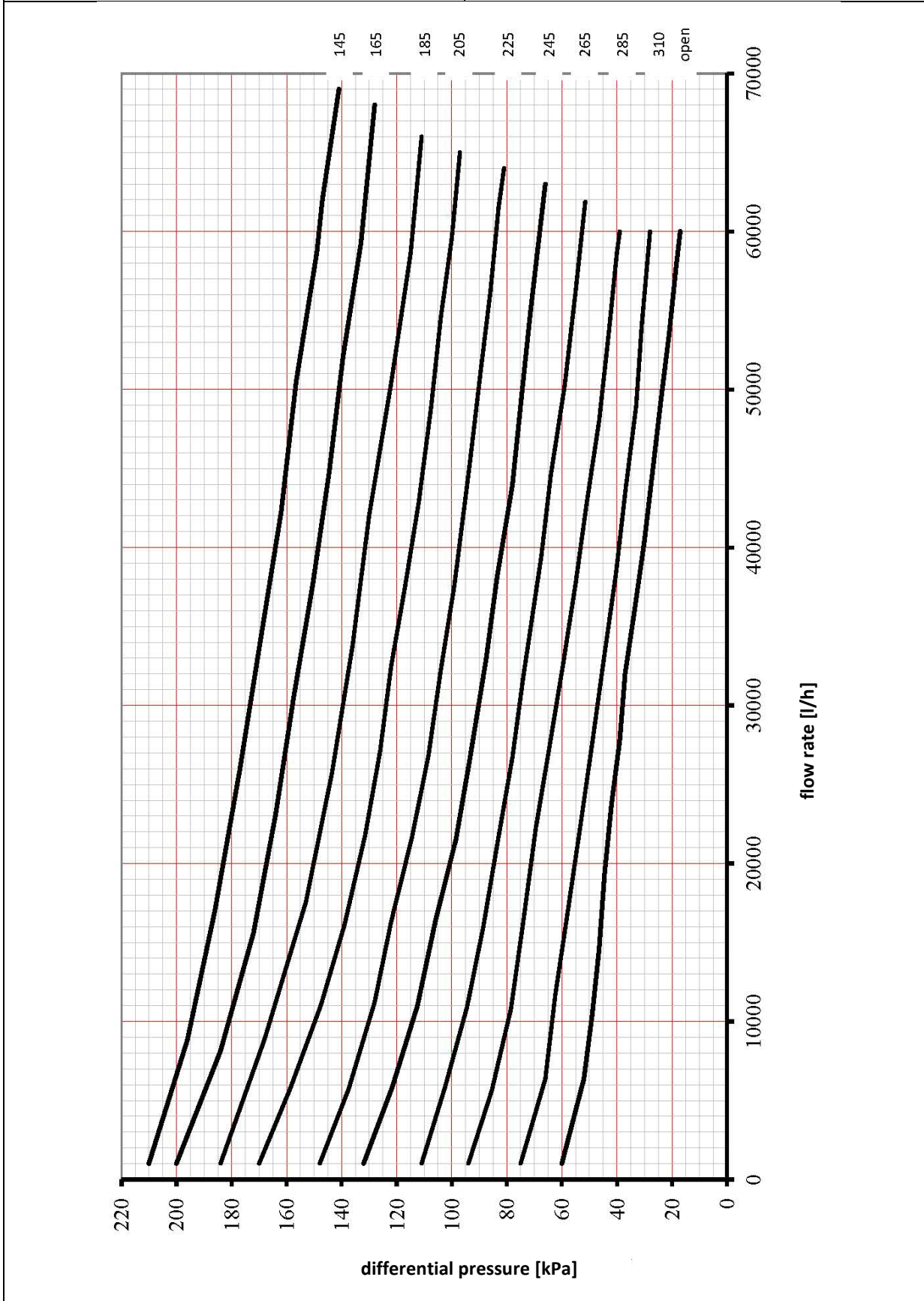


HERZ standard diagram	HERZ F <b>4007</b> 20 – 80 kPa
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Order Nr.: F <b>4007</b> 19	Dim. DN 100
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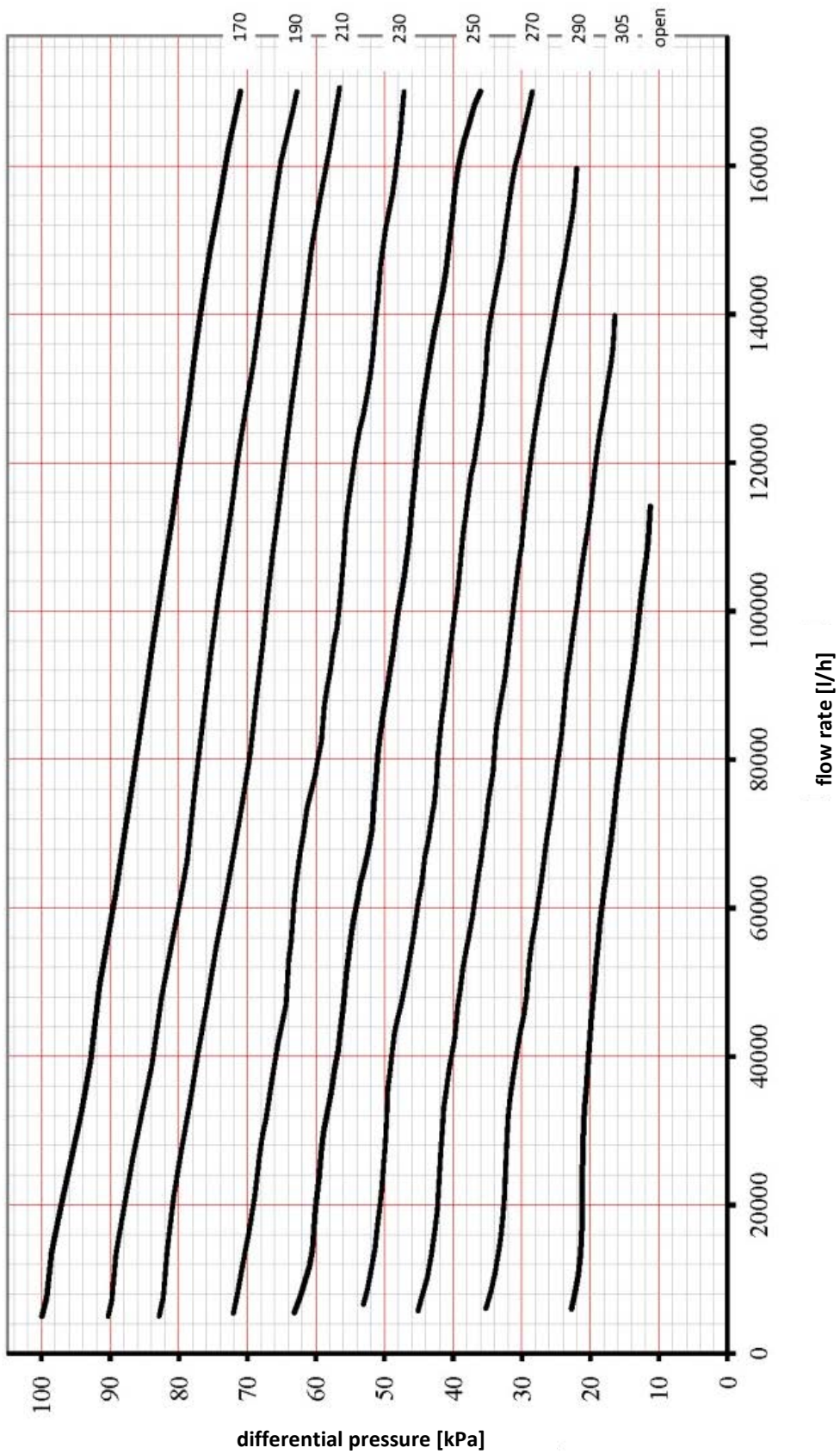


HERZ standard diagram	HERZ F <b>4007</b> 50 – 150 kPa
Order Nr.: F <b>4007</b> 29	Dim. DN 100



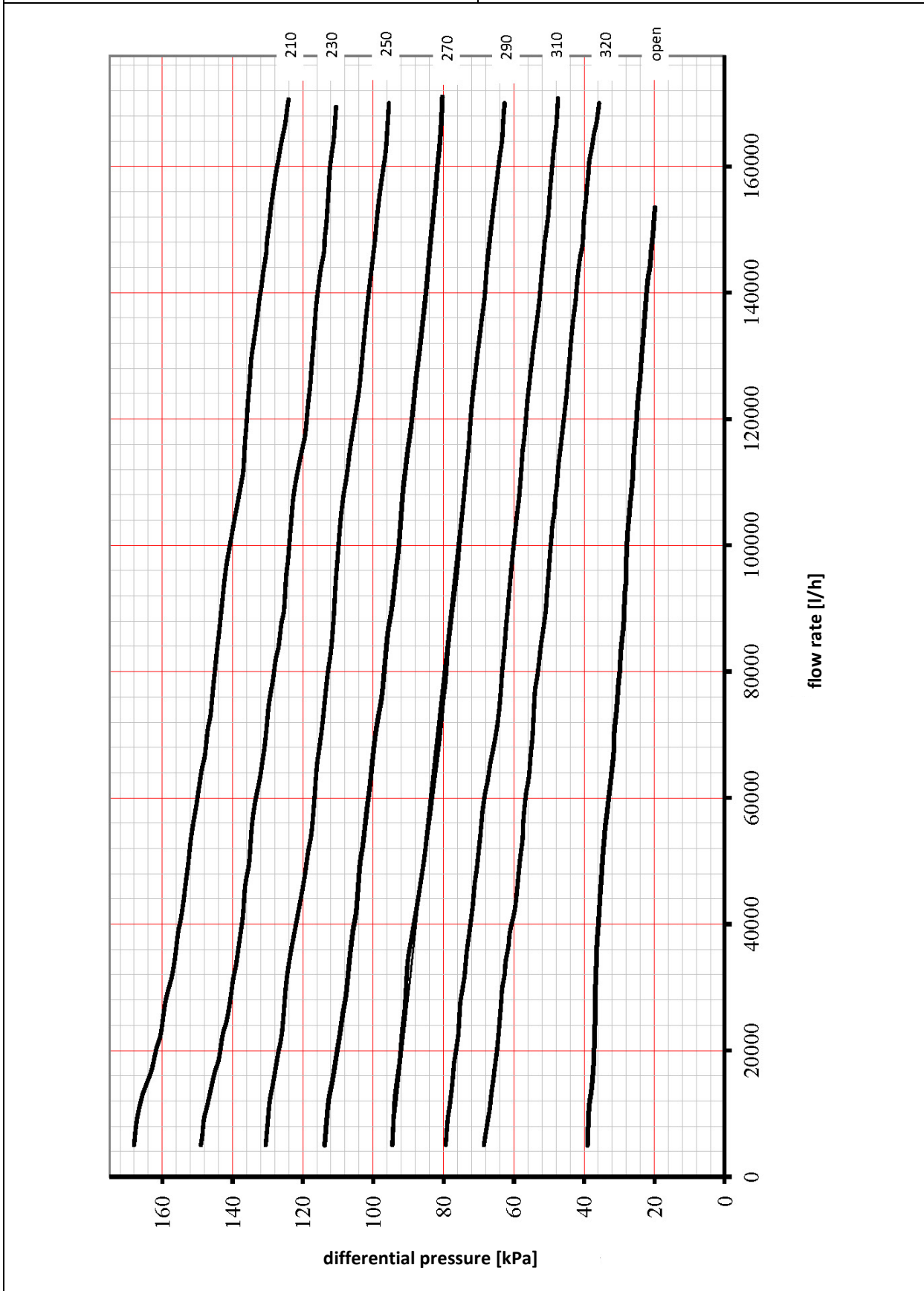
HERZ standard diagram	HERZ F <b>4007</b> 20 – 80 kPa
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Order Nr.: F <b>4007</b> 20	Dim. DN 125
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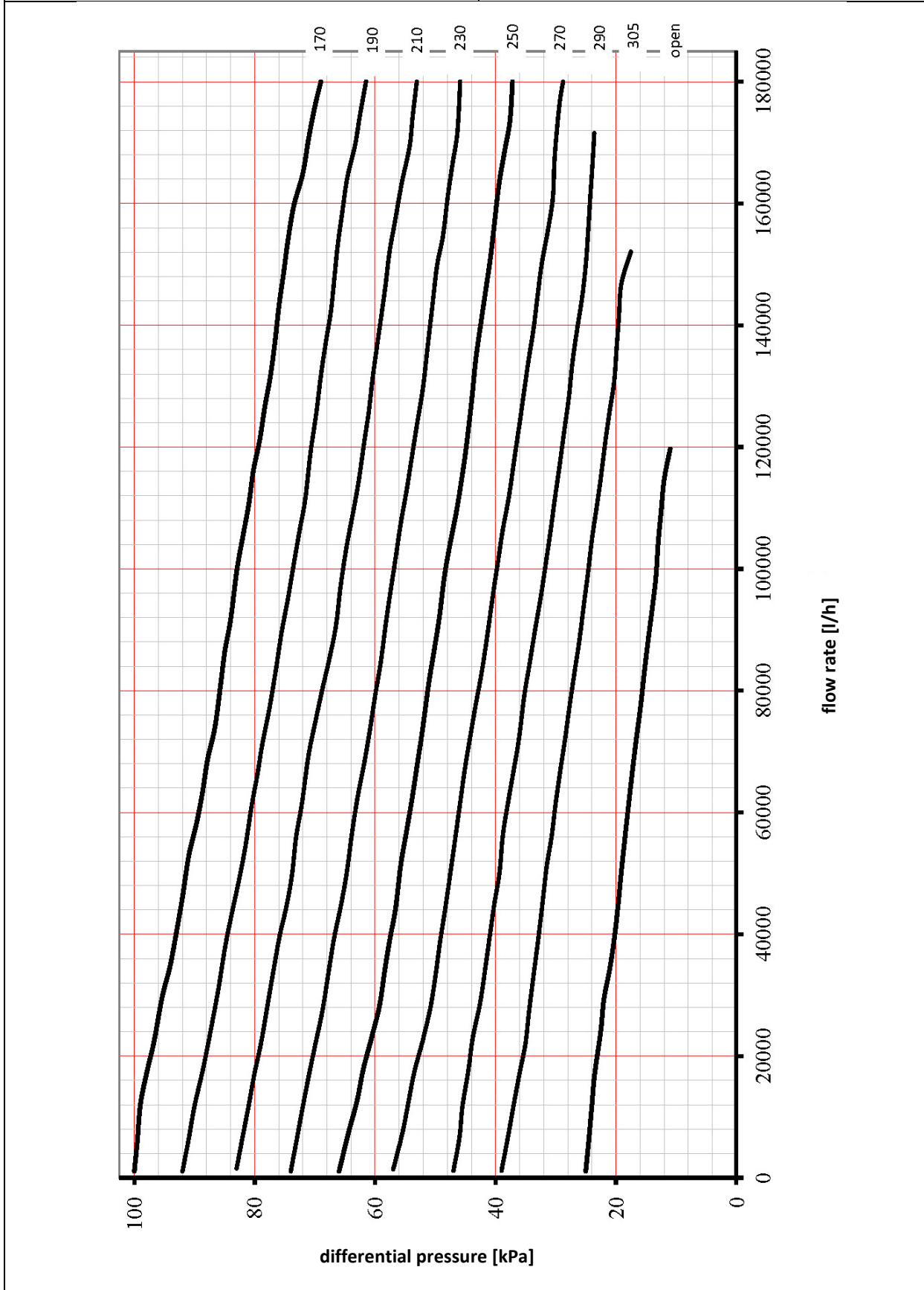




HERZ standard diagram	HERZ F <b>4007</b> 50 – 150 kPa
Order Nr.: F <b>4007</b> 30	Dim. DN 125



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



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

