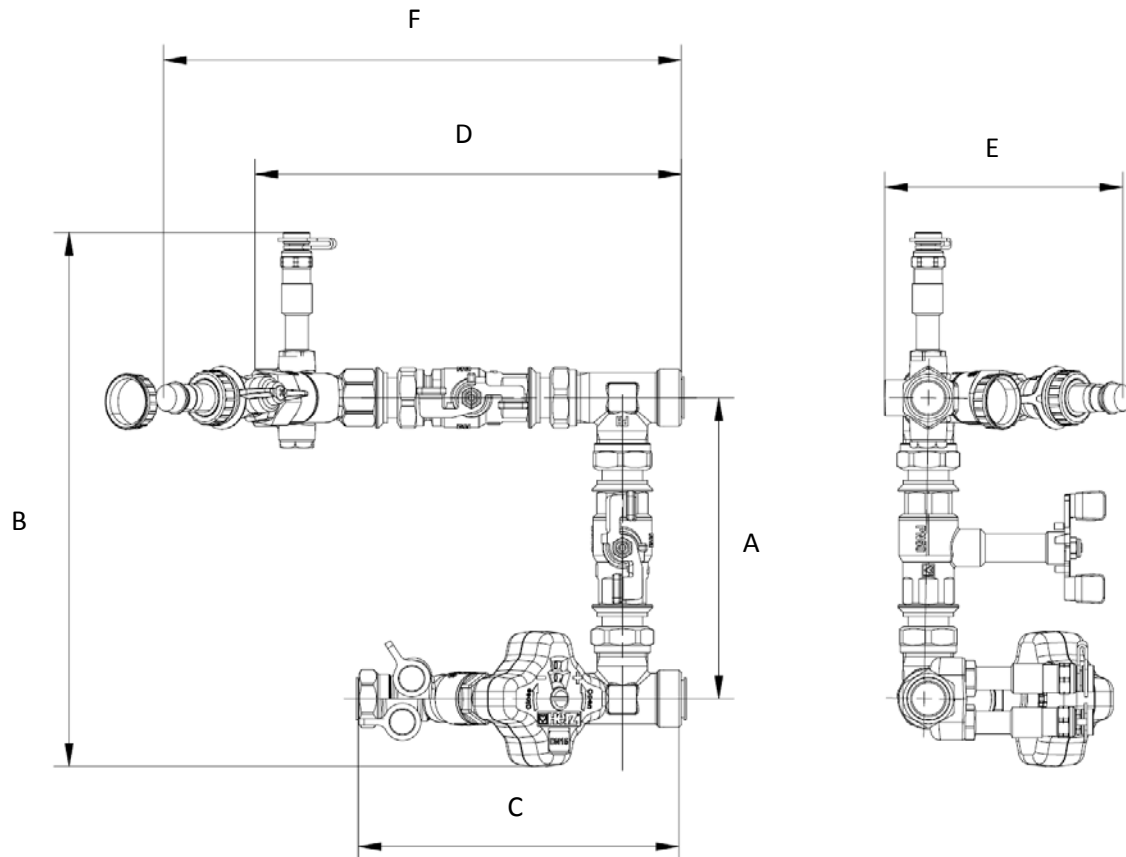


HERZ-Connect 4

Simple and reliable connection for Fan-coils and terminal units

Data sheet for **Connect 4_4017**, Issue 0517

Dimensions in mm



Order No.	DN	A	B	C	D	E	F
1 4500 11	15LF	158	275	166	215	124	259
1 4500 21	15MF	158	275	166	215	124	259
1 4500 01	15	158	275	166	215	124	259
1 4500 02	20	166	283	175	232	126	281
1 4500 03	25	209	332	185	290	136	332

Technical data

Max. operating pressure	16 bar
Max. differential pressure on the body	4 bar
Min. operating temperature	2 °C (pure water)
Min. operating temperature	-20 °C (frost protection)
Max. operating temperature	130 °C

DN	kvs	kv
15LF	0,48	0,43
15MF	0,97	0,75
15	1,95	1,39
20	3,95	2,19
25	7,90	5,06

☑ Materials

Body: dezincification-resistant brass
Membranes and O-rings: EPDM

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. [%].

☑ Application

HERZ Connect-4 has been designed to give a simple connection to fan-coils, or other terminal units, and utilises the Herz 4017 integral orifice commissioning valve with Herz 2190 extended lever ball valves and a Herz 4111 strainer.

The unit allows regulating, flushing and isolating operations to be undertaken.

The Connect-4 is fitted with extended handles and test points to allow for lagging after installation. This means there is no product differentiation between heating and chilled, one unit does both applications.

Flow measurement can be achieved to a minimum accuracy of $\pm 5\%$

The drain cock fitted to the strainer allows flushing without the need to remove the strainer basket and also allows the strainer basket to be cleaned in-situ.

☑ Installation

On chilled water applications the Connect 4 unit must be insulated with an effective vapour seal in accordance with BS 5970:2001.

☑ Components

4017	Commissioning Valve
2190	Extended lever Ball Valve
4111	Strainer
2512	Blow down Drain Valve

☑ Accessories and spare parts

1 4017 ..	Commissioning Valve
1 2190 ..	Extended lever Ball Valve
1 0284 ..	test point for HERZ-Valves
1 0273 09	screw plug 1/4

☑ Tips

The HERZ Connect-4 must be installed for the correct application using clean fittings. A HERZ strainer (4111) is fitted to prevent impurities.

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.

☑ Pre-setting

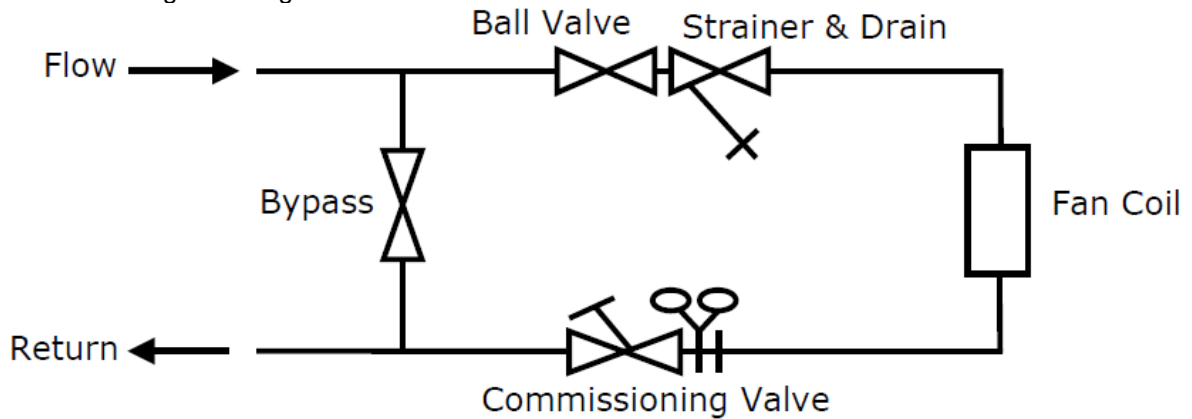
1. Set to the desired step according to calculation (digital display on the hand wheel).
2. Remove the hand wheel locking screw, do not remove the hand wheel from the valve.
3. Screw the presetting spindle, which is now accessible, in up to the stop.
4. Screw in the hand wheel locking screw again.
5. Mark the step set at the presetting marker and attach the marker to the valve

Point 5 is not necessary for function, but is recommended. When using a differential pressure manometer, setting can be performed only on the basis of the HERZ-flow charts. A flowrate for the STRÖMAX 4017 M valve can only be set without specifying a pre-setting step if a measuring instrument is used. Follow the operating instructions when using a measuring computer.

Operations

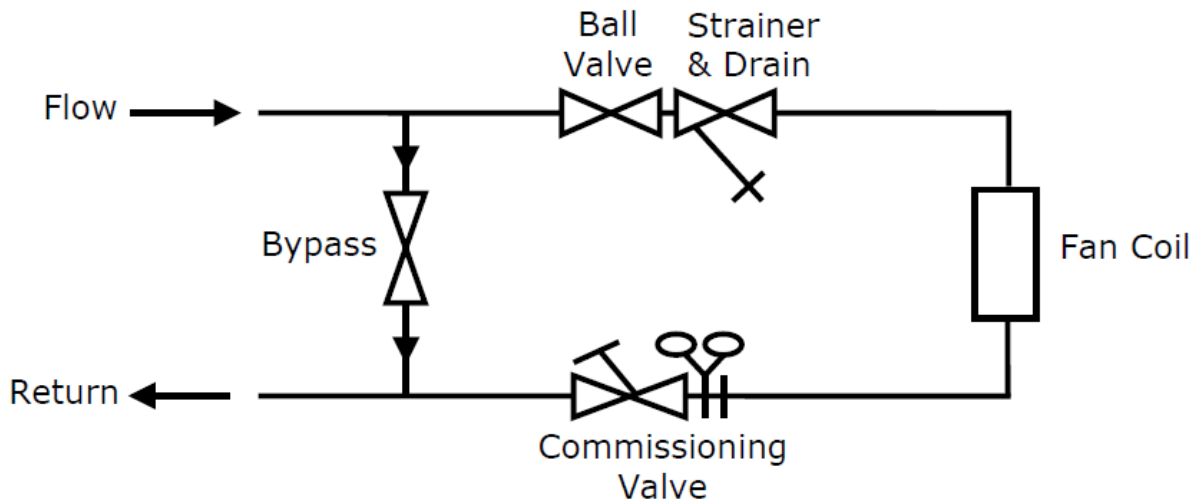
Normal Operation

For normal operation the Bypass valve is closed, Ball valve is open, Strainer Drain Valve is closed, Commissioning valve regulated.



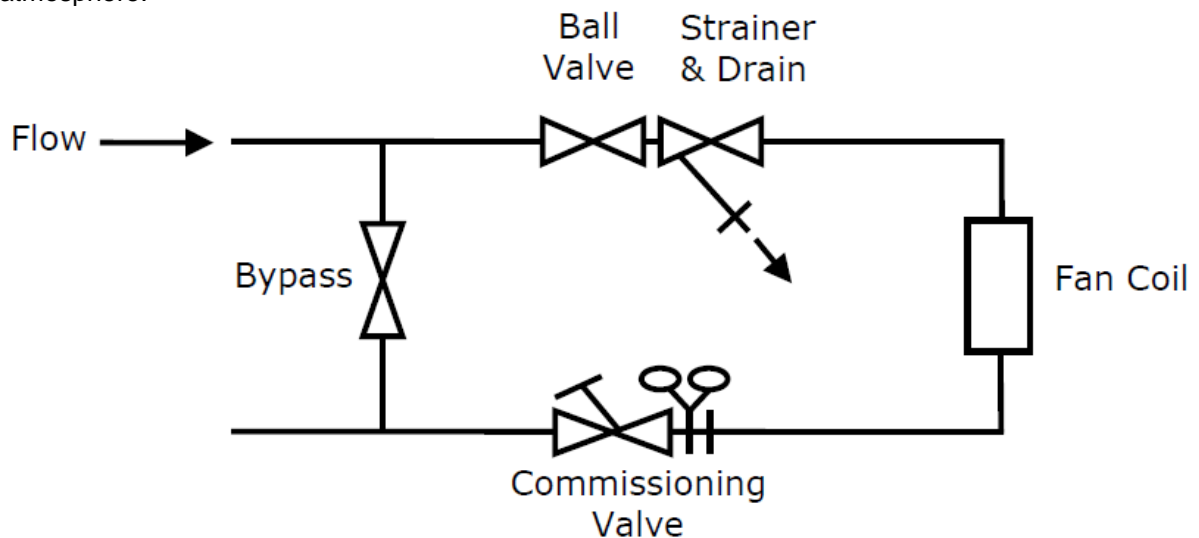
Bypass Operation

For the normal flushing method the Bypass Valve is open, Ball Valve is closed, Strainer Drain Valve closed, Commissioning Valve closed.



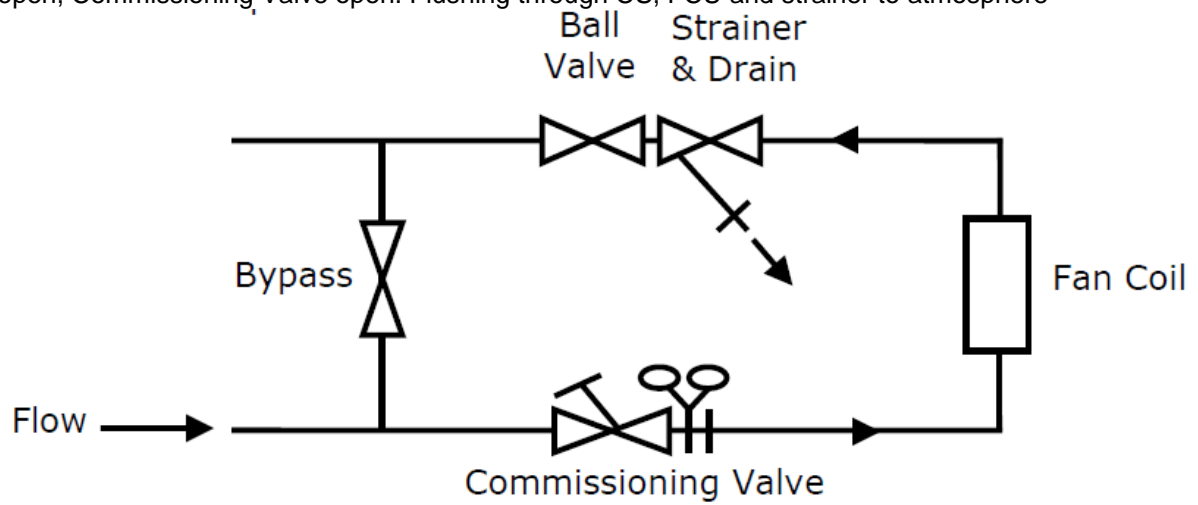
Forward flush Operation

For forward flushing operation the Bypass Valve is closed, Ball Valve is open, Strainer Drain Valve is open, Commissioning Valve is closed and flushing through the strainer to atmosphere.



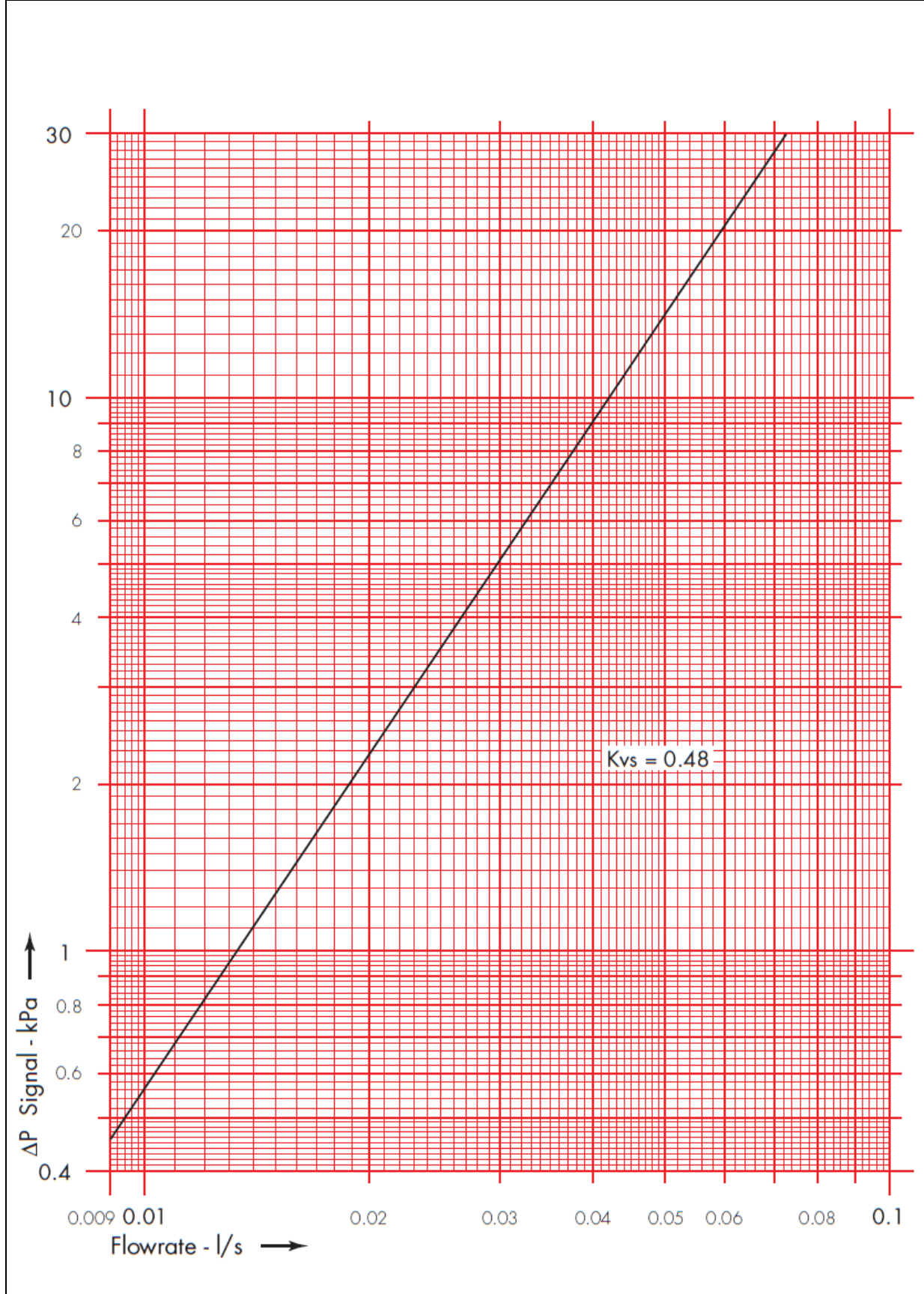
Backflush Operation

For Backflush operation the bypass Valve is closed, Ball Valve is closed, Strainer Drain Valve is open, Commissioning Valve open. Flushing through CS, FCU and strainer to atmosphere

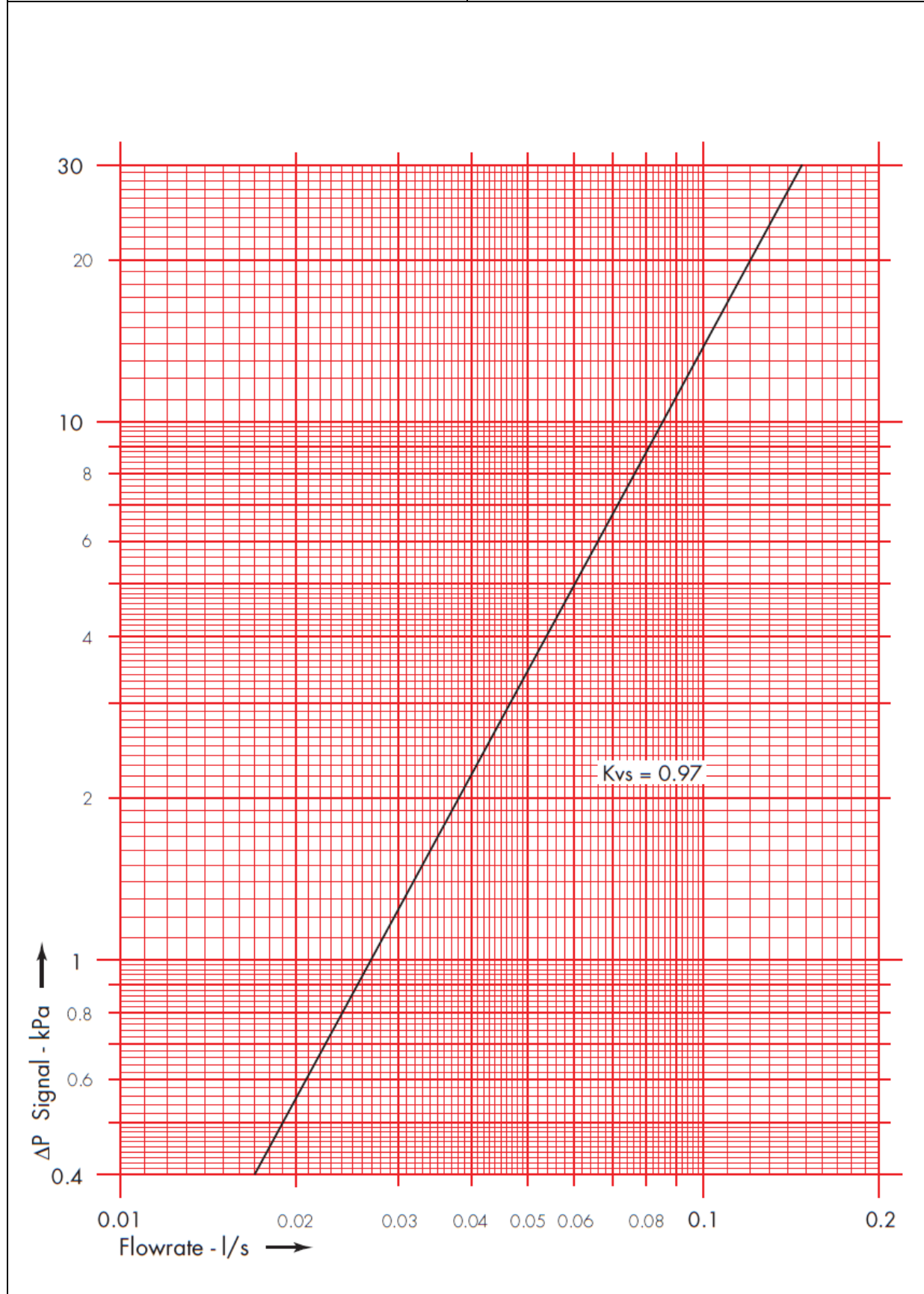


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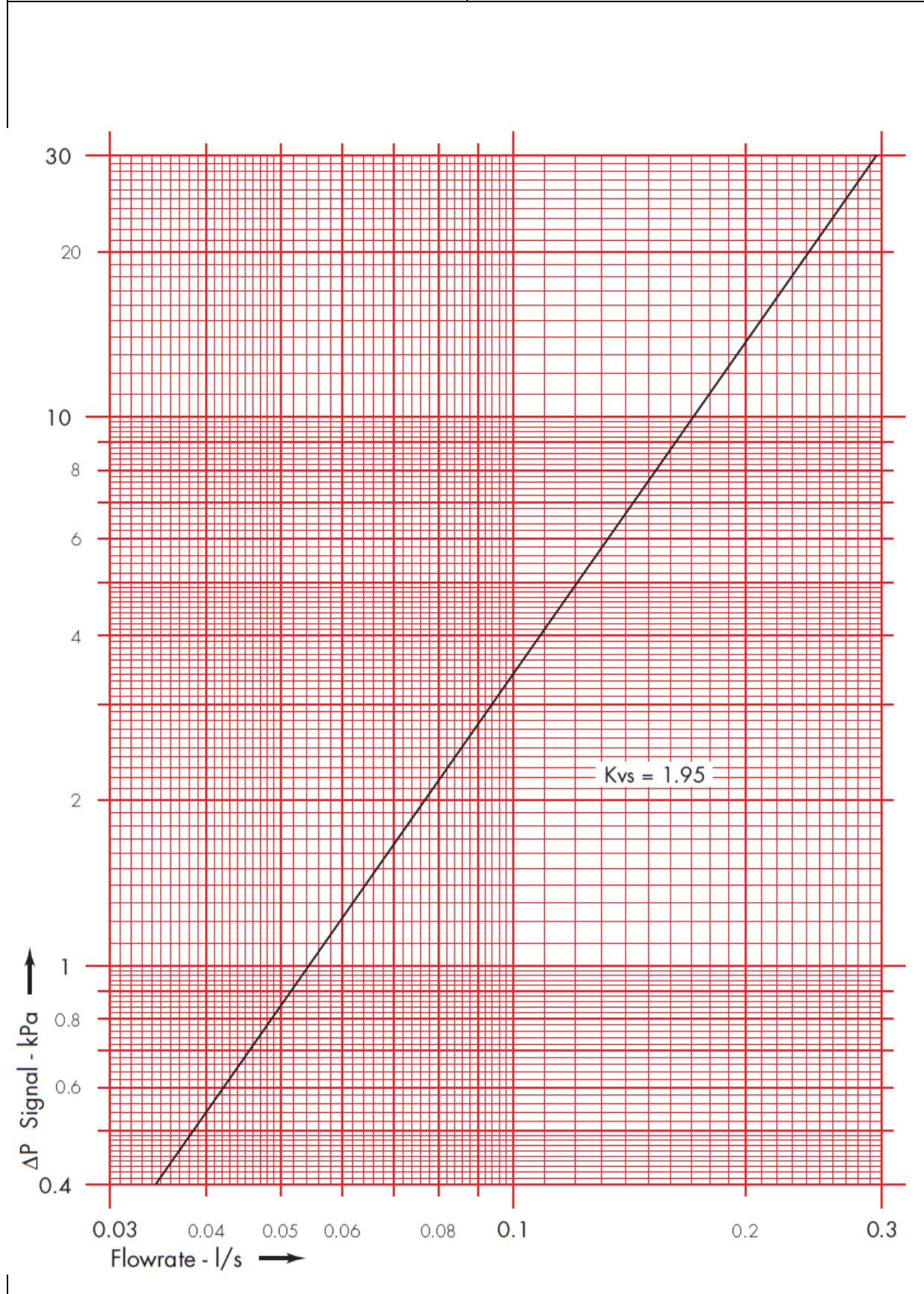
HERZ standard diagram	STRÖMAX 4017
Order nr.: 1 4017 11	Dim. DN 15 LF



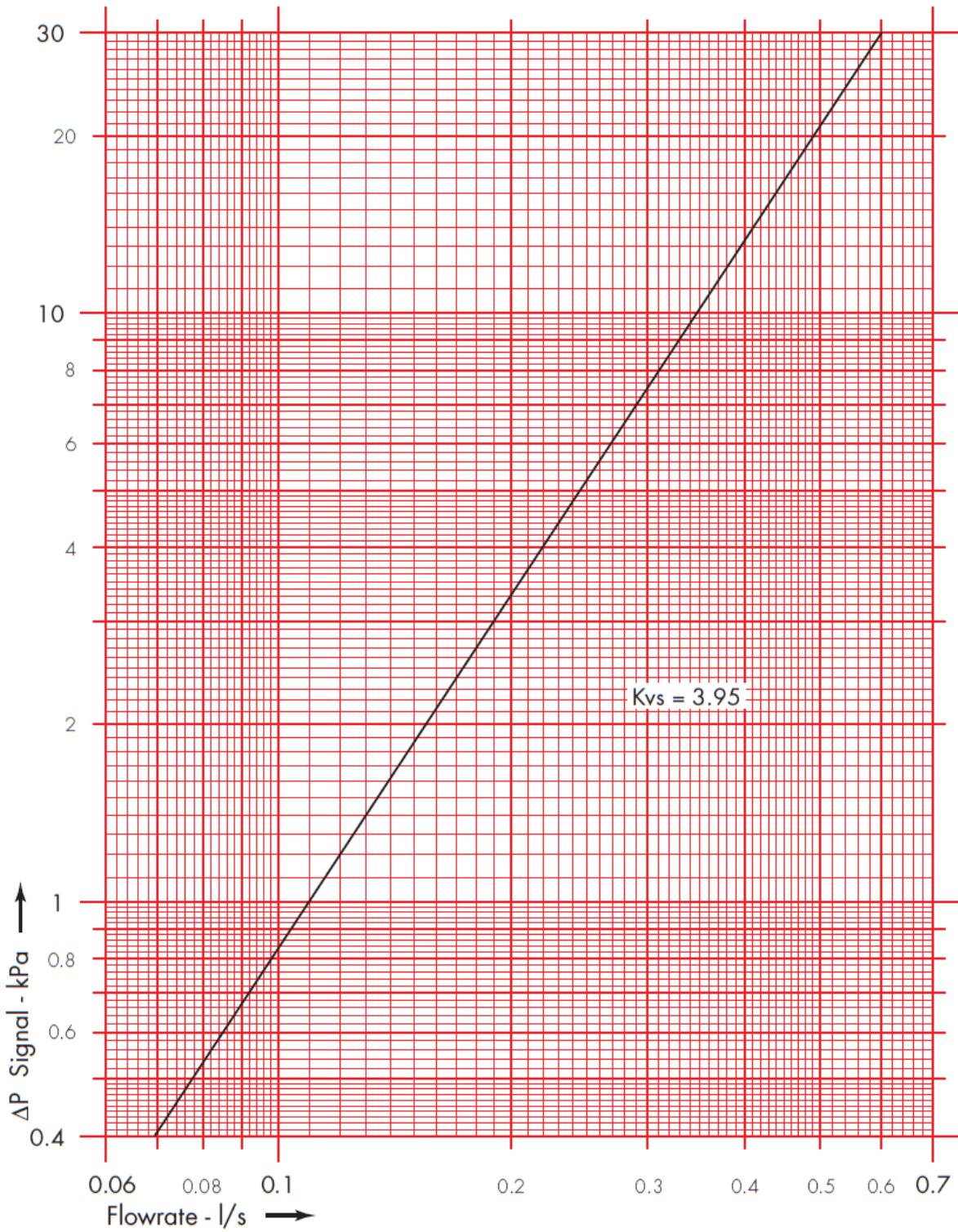
HERZ standard diagram	STRÖMAX 4017
Order nr.: 1 4017 21	Dim. DN 15 MF



HERZ standard diagram	STRÖMAX 4017
Order nr.: 1 4017 01	Dim. DN 15



HERZ standard diagram	STRÖMAX 4017
Order nr.: 1 4017 02	Dim. DN 20



HERZ standard diagram	STRÖMAX 4017
Order nr.: 1 4017 03	Dim. DN 25

