

InoxFlow

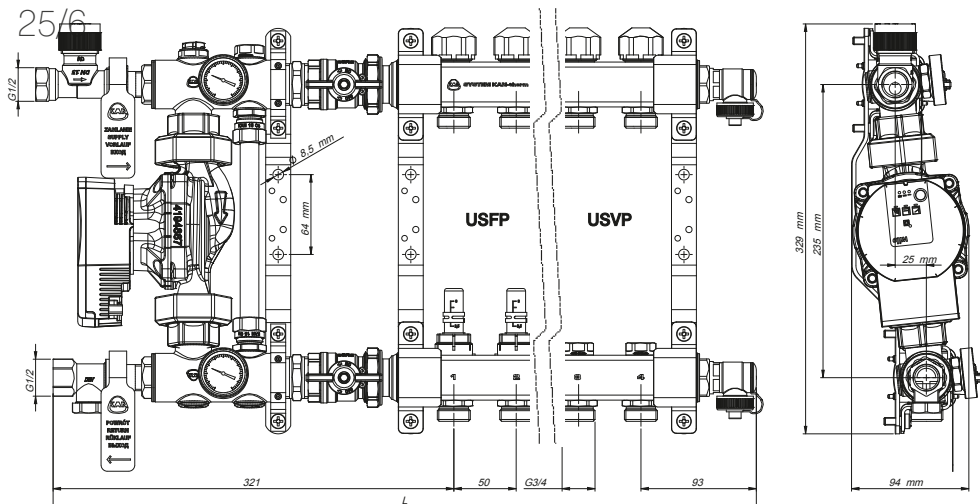
USFP

USVP

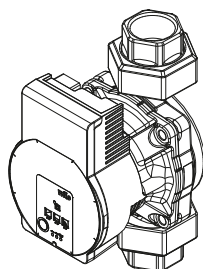


Tüüp E – Wilo Para

25/6

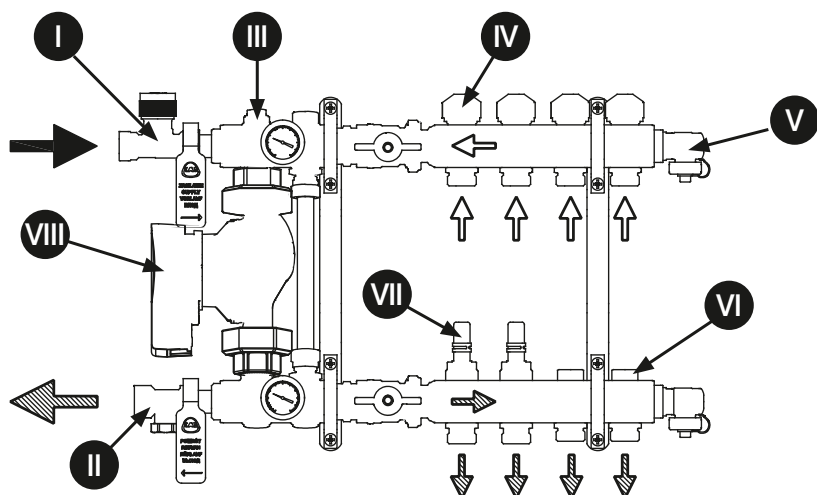


No	2	3	4	5	6	7	8	9	10
USFP	1316157088	1316157089	1316157090	1316157091	1316157092	1316157093	1316157094	1316157095	1316157096
USVP	1316160044	1316160045	1316160046	1316160047	1316160048	1316160049	1316160050	1316160051	1316160052
L[mm]	478	528	578	628	678	728	778	828	878
M [kg]	6,5	6,9	7,3	7,7	8,1	8,6	9	9,4	9,9

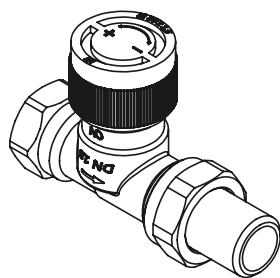


WILO Para

Min. 60 °C



I

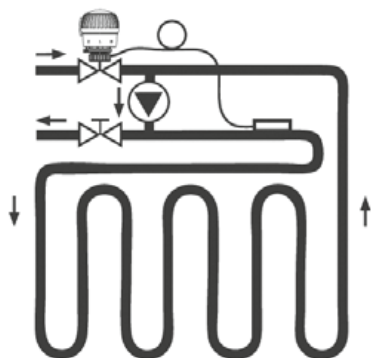


Termostaatventiil

$Kvs = 1,1$

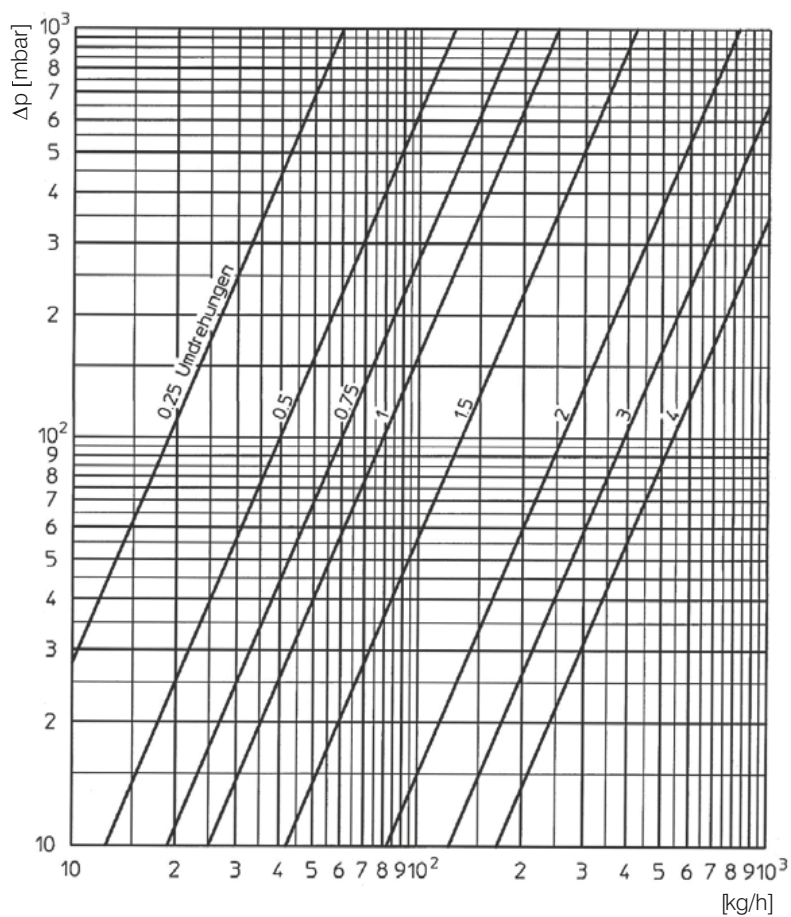
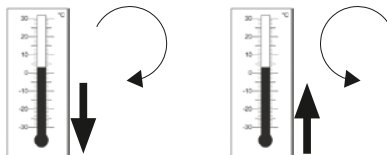
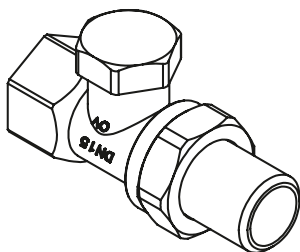
Süsteemi ülekuumenemise eest kaitsmiseks varustada termostaatpeaga M30x1,5 ja kauganduriga alumisel kollektoril.

Termostaatpea on müügil eraldi.



Temperatuuri reguleerimise tagasilööklapp

$K_v = 1,7$ kuuskant 6 mm

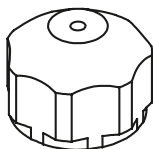


III

By-pass klapp

Automaatsete juhtimissüsteemide kasutamisel seadistage klapp $\frac{1}{4}$ täielikult avamisest, et kaitsta pumpa vee pumpamise eest suletud torusüsteemi.

IV



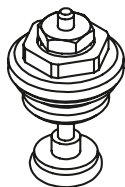
Servomootori ventiil

M 30×1,5 mm

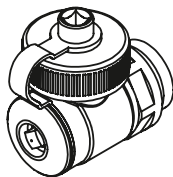
$F_{\min} = 90 \text{ N}$

$L_{\min} = 4 \text{ mm}$

$K_{vs} = 2,4$

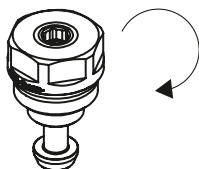


V



Käsitsi tühjendus- ja õhuelemdusventiil

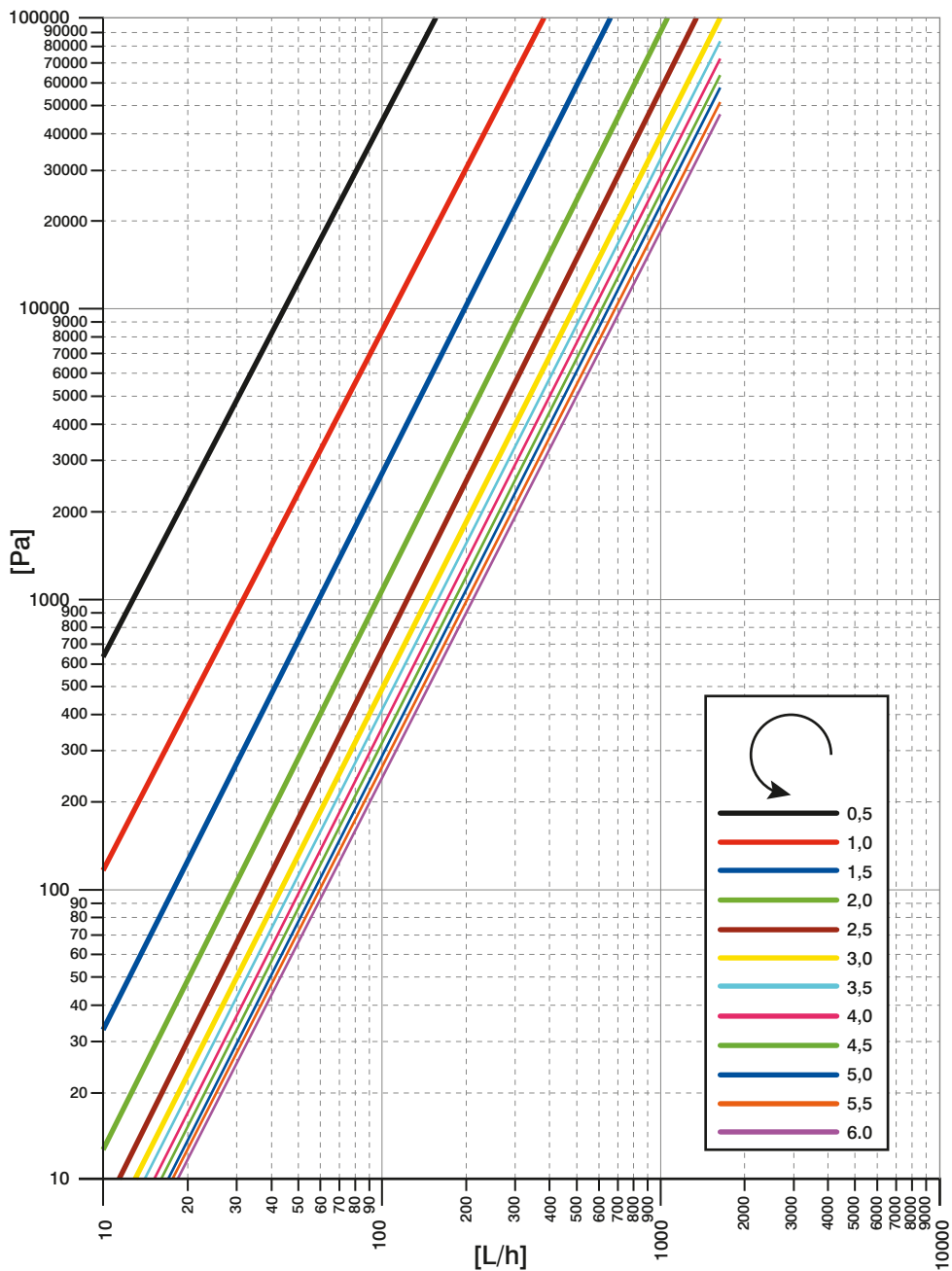
VI



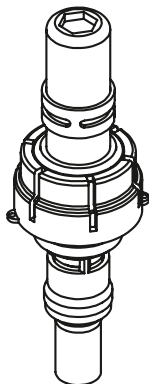
Küttekontuuride ühtlustusventiil

$K_{vs} = 2,4$

kuuskant 5 mm



VII



Küttekontuuride tasakaalustamise vooluhulgamõõtur 0–2,5 l/min

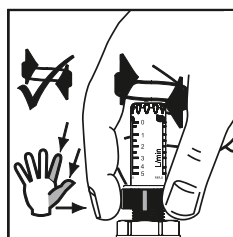
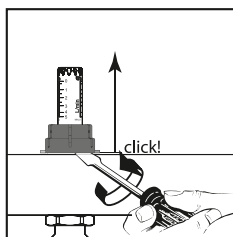
$$K_{vs} = 1,1$$

$$T_{\max} = 70\text{ }^{\circ}\text{C}$$

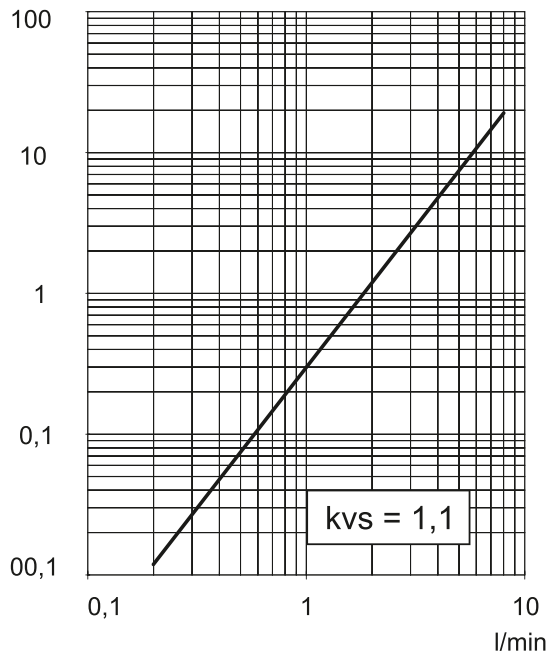
$$p_{\max} = 6\text{ bar}$$

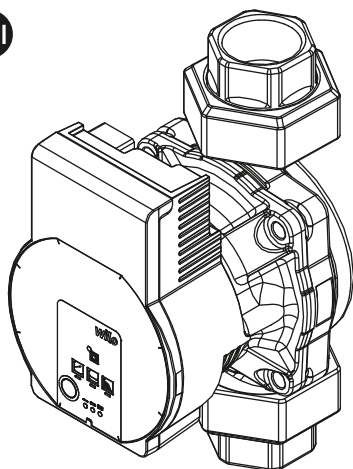
$$H_2O = 100\%$$

$$\text{Glükool} - \text{max } 50\%$$



[kPa]





Ringluspump

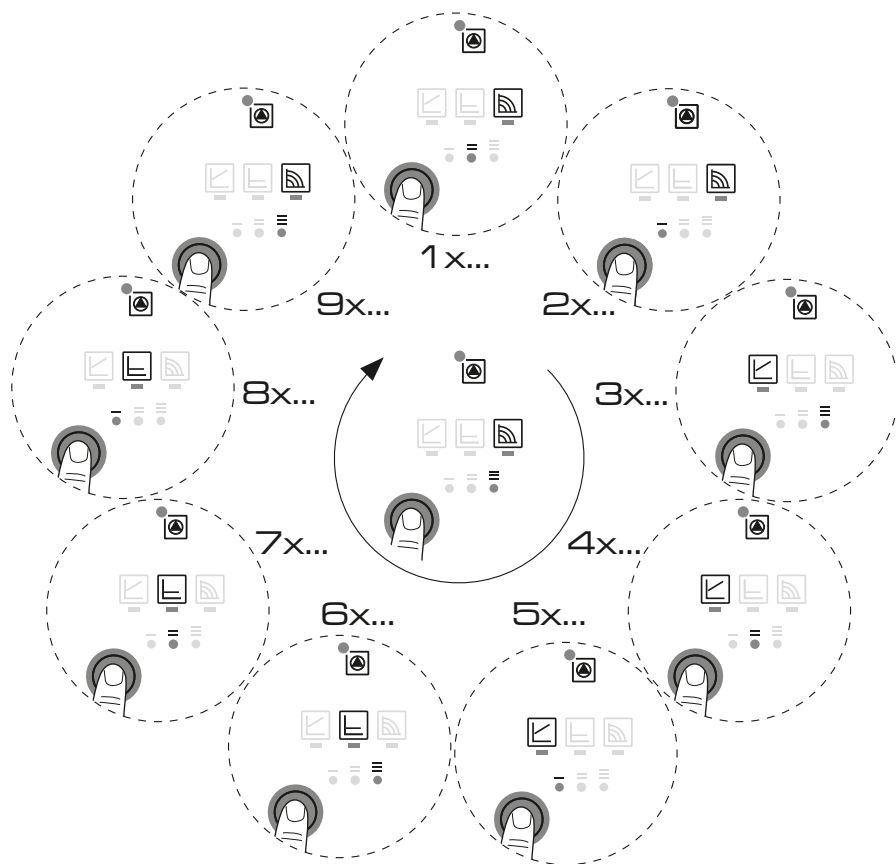
Tüüp A: Wilo Para 25/6

$T_{\max} = 90\text{ }^{\circ}\text{C}$

$P_{\max} = 10\text{ bar}$

$\text{H}_2\text{O} = 100\%$

Glycol – max. 50%



Pumba töörežiimi seadmine

6x...



7x...



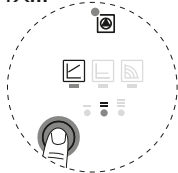
8x...



3x...



4x...



5x...



1x...



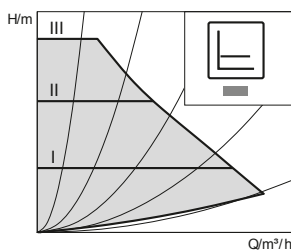
2x...



9x...

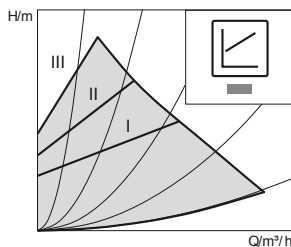


Konstantne rõhkude erinevus $\Delta p-c$



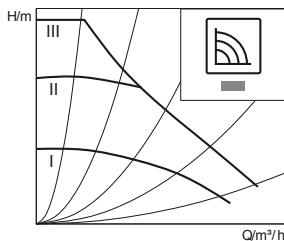
Soovitatav seadistus

Muutuv rõhkude erinevus $\Delta p-v$



Mittesoovitatav seadistus

Konstantne pöörlemissagedus



Mittesoovitatav seadistus



Paigaldamine ja kasutuselevõtmine

1. Paigaldada kollektor kollektorikappi ja ühendada küttekontuuridega.
2. Täita süsteem soojuskandjaga.
3. Eemaldada süsteemist õhk, kasutades käsitsi tühjendus- ja õhueemaldusventiile (V). Ettevaatust! Pumba Yonos Para keskmine seadistusasend on ette nähtud ainult pumba rootori õhutamiseks!
4. Lülitada sisse kütteaallikas – temperatuur peab olema vähemalt 60 °C.
5. Ühendada pump elektritoitega ja seada ettenähtud rõhk režiimil 
6. Reguleerida tagasilöögiklappi (II) ettenähtud segamistemperatuuri saavutamiseni – jälgida madalamat termomeetrit.
7. Tasakaalustada hüdrauliliselt küttesüsteemi kontuurid, kasutades seeria 73 ventiile (VI) või seeria 77 vooluhulgamõõdureid (VII).
8. Seada lõplikult segamisvee temperatuur tagasilöögiklapi (II) abil.
9. Paigaldada kauganduriga termostaatpea pealevooluventiilile (I). Andur tuleb paigaldada pealevoolukollektorile (alumine). Seada termostaatpea rakendumistemperatuur (max 55 °C).
10. Kui kõigile ülemise kollektori ventiilidele (IV) paigaldatakse elektrilised servomootorid, tuleb möödavooluventiil (III) avada ¼ ulatuses.

A full-page sheet of white graph paper with a light gray grid pattern. The grid consists of small squares, approximately 10 units wide by 10 units high. The grid lines are thin and evenly spaced. There is no text or other markings on the page.



KAN Sp. z o.o.
ul. Zdrojowa 51
16-001 Białystok-Kleosin

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