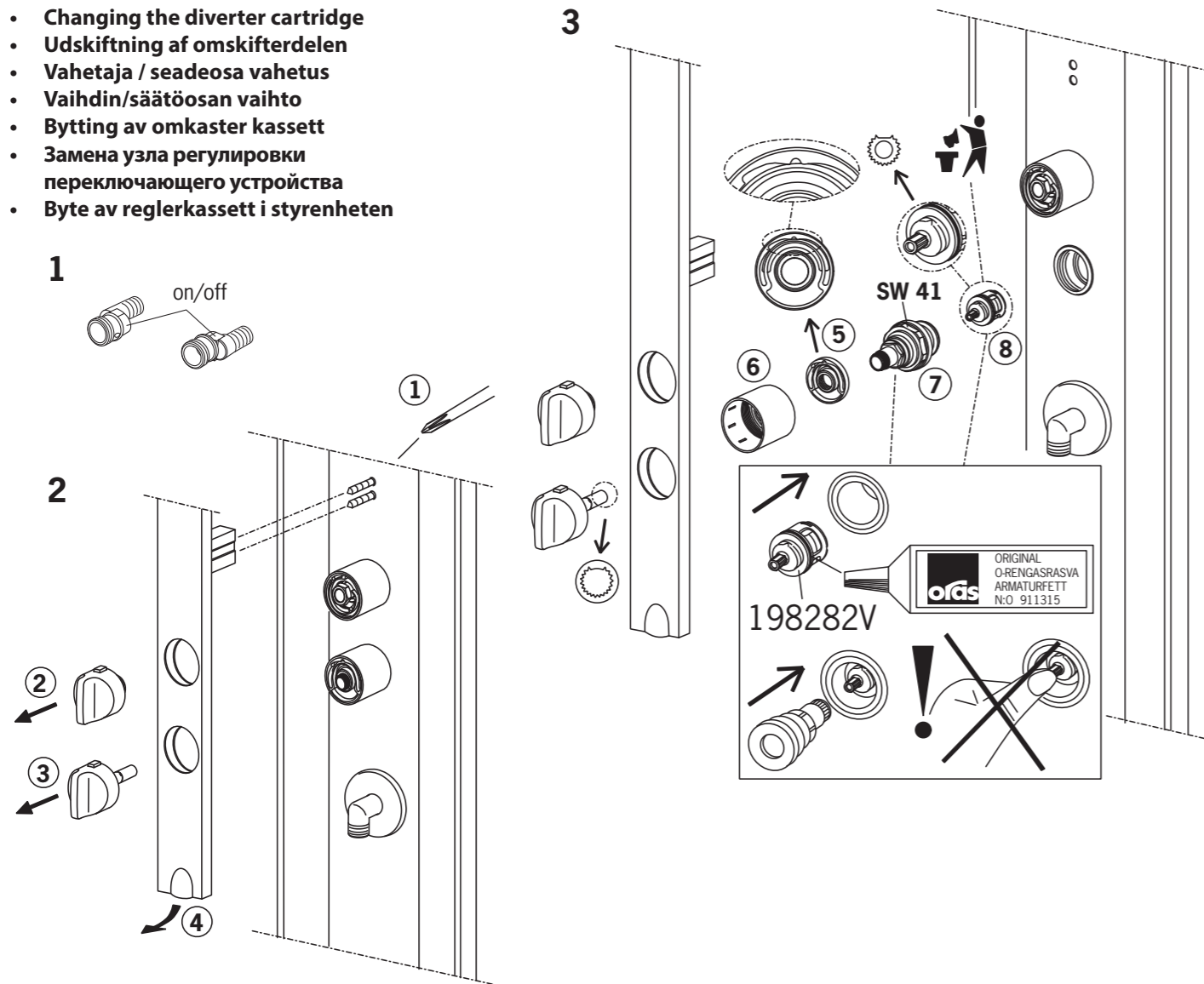
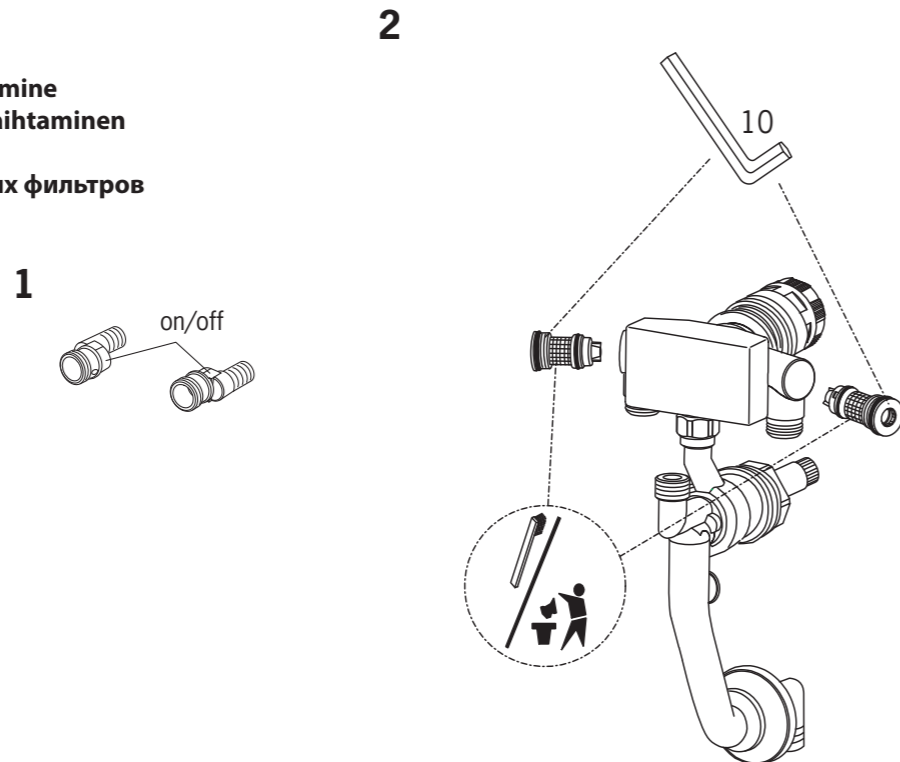


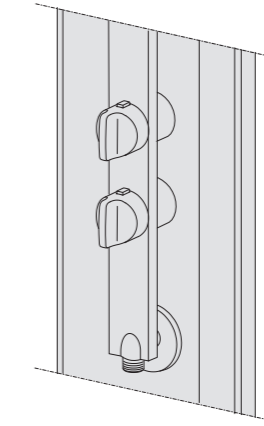
- Changing the diverter cartridge
- Udsiftning af omskifterdelen
- Vahetaja / seadeosa vahetus
- Vaihdin/säätöosan vaihto
- Bytting av omkaster kassett
- Замена узла регулировки переключающего устройства
- Byte av reglerkassett i styrenheten



- Cleaning/changing the litter filters
- Rensning/udsiftning af filtre
- Prügipüüduri puhastamine/vahetamine
- Roskasiivilöiden puhdistaminen/vaihtaminen
- Rensning/bytting av filter
- Очистка и замена уплотнительных фильтров
- Rengöring/byte av smutsfilter



Installation and Maintenance Guide 7489



Water Is Worth Loving.

Oras is a significant developer, manufacturer and marketer of sanitary fittings. Since its founding in 1945 the company has introduced high-quality design products featuring user-friendly technical solutions that contribute to savings of water and energy. As early as in the in the 1990s, Oras introduced the first touchless electronic faucets in the market.

Oras is owned by Oras Invest, a family company. In September 2013 Oras acquired Hansa Metallwerke AG, a German faucet manufacturer, with its subsidiaries, and together the companies form the new Oras Group. The head office of the Group is located in Rauma, Finland, and the company's factories are located in Rauma, Burglengenfeld (Germany), Kralovice (Czech Republic) and Olesno (Poland). The Group employs about 1 400 people.

Det Norske Veritas Certification OY/AB certifies that the Quality Management System of Oras Oy in Rauma Finland, conforms to the ISO 9001, the Environmental Management System to the ISO 14001 standard and the Occupational Health and Safety System to the OHSAS 18001 standard. The certificates are valid for development, manufacture, marketing, sales and after sales services of faucets, accessories and valves.

The TÜV CERT Certification Body of TÜV NORD Zertifizierungs- und Umweltgutachter Gesellschaft mbH certifies that the Quality Management System of Oras Olesno Sp. z o.o. in Olesno Poland, conforms to the ISO 9001, the Environmental Management System to the ISO 14001 standard and the Occupational Health and Safety System to the OHSAS 18001 standard. The certificates are valid for manufacture, storage, marketing, sales and after sales services of faucets, valves and accessories.





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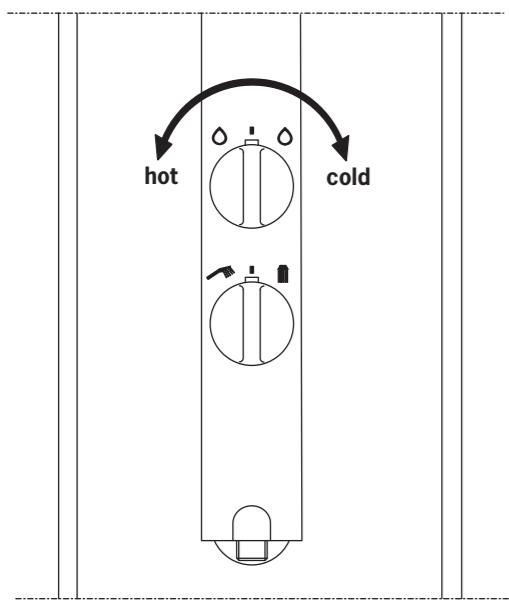


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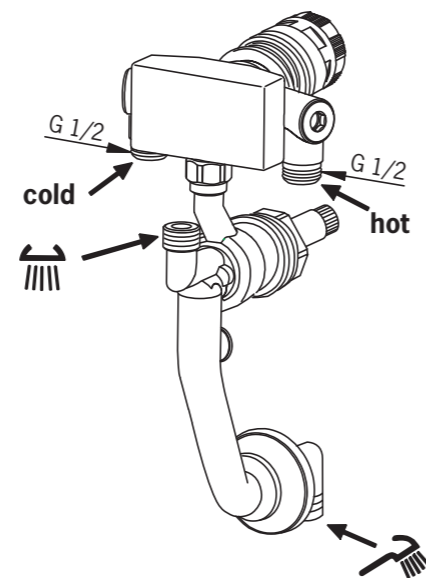
• Technical data • Tekniske data • Tehnilised andmed • Tekniset tiedot • Teknisk data • Технические данные • Tekniska data •

Working pressure Arbejdstryk Kasutamissurve Käyttöpain Arbeidstrykk Рабочее давление, кПа Arbetsstryck	Flow-rate at 300 kPa Vandmængde ved 300 kPa Vooluhulk 300 kPa Virtaama 300 kPa Fløde ved 300 kPa Расход воды 300 кПа, л/с Flöde vid 300 kPa	Pressure loss Tryktab Rõhukadu Painehäviö Tryckfall Потеря давления, лПа Tryckfall	Water temperature Varmtvands temperatur Vee temperatuur Käyttöveden lämpötila Varmtvann Горячая вода Varmvattenanslutning	Noise class Støjklasse Hääleklass Ääniluokka Støyklasse Уровень шума Ljudklass
150 – 1000 kPa	0.25 l/s  0.2 l/s 	190 kPa (0.2 l/s) 310 kPa (0.2 l/s)	max. +80°C	I (ISO 3822)

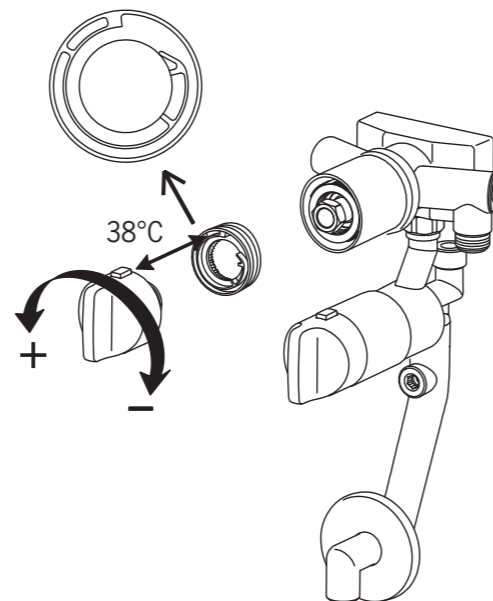
• Operation • Betjening • Toimimine
• Toiminta • Funksjon • Принцип действия • Funktion •



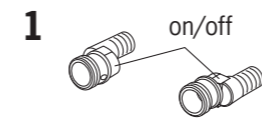
• Installation • Installation • Paigaldus • Asennus
• Montering • Установка • Installation •



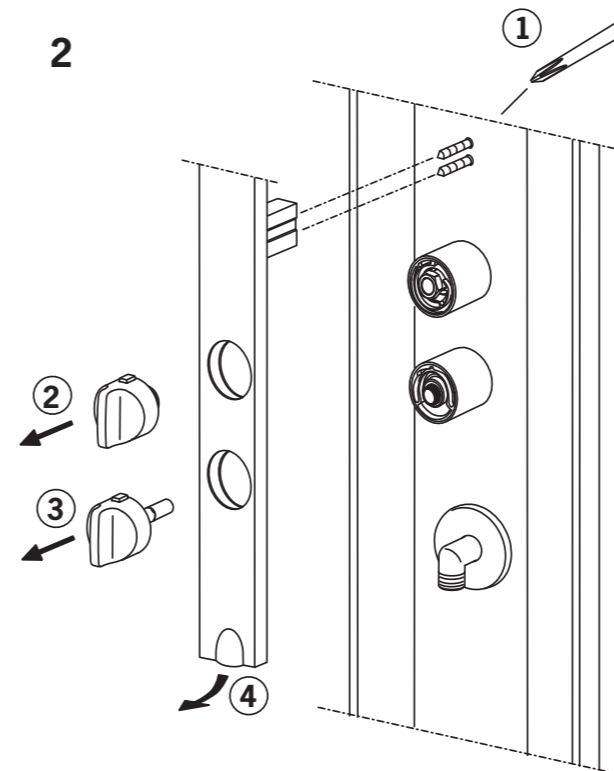
- Temperature adjustment
- Justering af temperaturen på installationsstedet
- Temperatuuri seadmine vajadusel
- Lämpötilan säätö tarvittaessa
- Justering av temperaturen ved sperreknappens
- Регулировка температуры
- Justering av blandningstemperatur



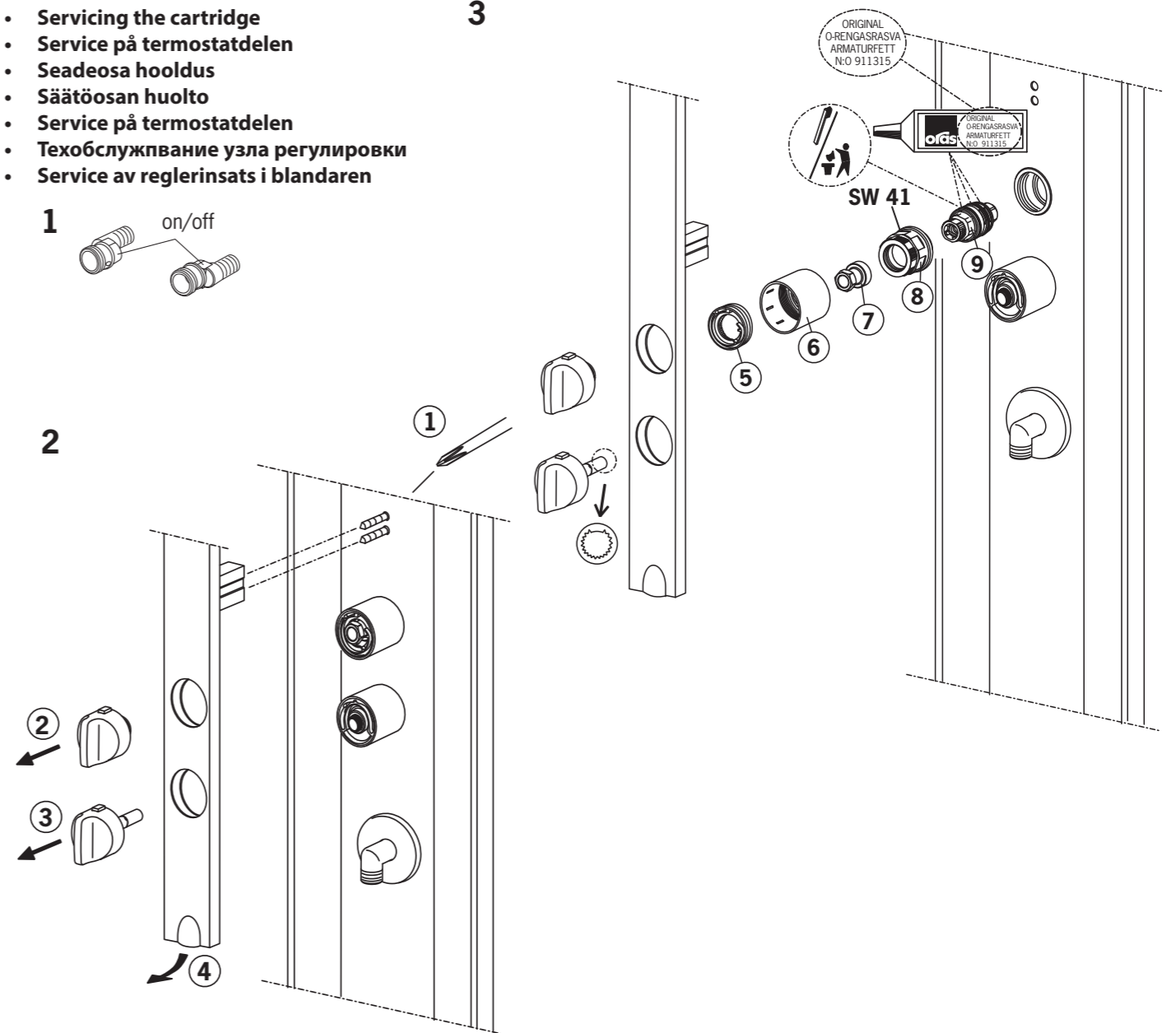
- Servicing the cartridge
- Service på termostatdelen
- Seadeosa hooldus
- Säätöosan huolto
- Service på termostatdelen
- Техобслуживание узла регулировки
- Service av reglerinsats i blandaren



2



3



- Spare parts
- Reserverdele
- Varuosad
- Varaosat
- Reservedeler
- Запасные части
- Reservdelar

- 1 178295
- 2 178780V
- 3 198282V
- 4 600730V
- 5 600729V
- 6 178871V

