

KWF Inline

Технические характеристики

По вопросам продаж и поддержки обращайтесь:

Алматы (7273)495-231
Архангельск (8182)63-90-72
Астрахань (8512)99-46-04
Барнаул (3852)73-04-60
Белгород (4722)40-23-64
Брянск (4832)59-03-52
Владивосток (423)249-28-31
Волгоград (844)278-03-48
Вологда (8172)26-41-59
Воронеж (473)204-51-73
Екатеринбург (343)384-55-89
Иваново (4932)77-34-06
Ижевск (3412)26-03-58
Иркутск (395)279-98-46
Россия (495)268-04-70

Казань (843)206-01-48
Калининград (4012)72-03-81
Калуга (4842)92-23-67
Кемерово (3842)65-04-62
Киров (8332)68-02-04
Краснодар (861)203-40-90
Красноярск (391)204-63-61
Курск (4712)77-13-04
Липецк (4742)52-20-81
Магнитогорск (3519)55-03-13
Москва (495)268-04-70
Мурманск (8152)59-64-93
Набережные Челны (8552)20-53-41
Нижний Новгород (831)429-08-12
Киргизия (996)312-96-26-47

Новокузнецк (3843)20-46-81
Новосибирск (383)227-86-73
Омск (3812)21-46-40
Орел (4862)44-53-42
Оренбург (3532)37-68-04
Пенза (8412)22-31-16
Пермь (342)205-81-47
Ростов-на-Дону (863)308-18-15
Рязань (4912)46-61-64
Самара (846)206-03-16
Санкт-Петербург (812)309-46-40
Саратов (845)249-38-78
Севастополь (8692)22-31-93
Симферополь (3652)67-13-56
Казахстан (7172)727-132

Смоленск (4812)29-41-54
Сочи (862)225-72-31
Ставрополь (8652)20-65-13
Сургут (3462)77-98-35
Тверь (4822)63-31-35
Томск (3822)98-41-53
Тула (4872)74-02-29
Тюмень (3452)66-21-18
Ульяновск (8422)24-23-59
Уфа (347)229-48-12
Хабаровск (4212)92-98-04
Челябинск (351)202-03-61
Череповец (8202)49-02-64
Ярославль (4852)69-52-93



KWF-Inline

Single filter

- Steel, stainless steel, GRP

PN	10–64
DN	15–1000

Application areas

The KWF-inline single filter is a versatile implementation filter for liquid, gaseous or pasty media. It is characterized by high-performance, space-saving design as well as an extremely easy and fast cleaning. Inlet flange and outlet flange are at the same height.

Many customized design requirements can be met with this filter type.

Brief description

In the standard version the filter consists of a welded steel vessel with cover that is fastened through bolts and nuts. Alternatively the filter can be equipped with a basket strainer, ring type strainer insert or cartridges, or bag filters.

Notice:

The compatibility between medium and vessel or sealing material is the responsibility of the operator.

The design of the pressure vessel is based on a quasi-static operation (load cycle number ≤ 1000 according to AD 2000 Merkblatt S1, section 1.4). Max. Differential pressure inlet - outlet 1 bar.

Installation

The filter is installed in piping via flanges. Ensure that the standard version of the filter is installed vertically, tension-free without additional mechanical stress. The medium must flow in the direction specified on the vessel. Incorrect installation can cause filter malfunctions or damage the inserts.

Commissioning/operating instructions

1. Slowly open the inlet/outlet valves.
2. Open the vent until liquid escapes.
3. Close vent.
4. Filter is ready for operation.

Cleaning

Attention: Since this is a pressure vessel, make absolutely sure that the filter is depressurized before starting maintenance tasks. Comply with the safety and accident prevention guidelines required for the medium.

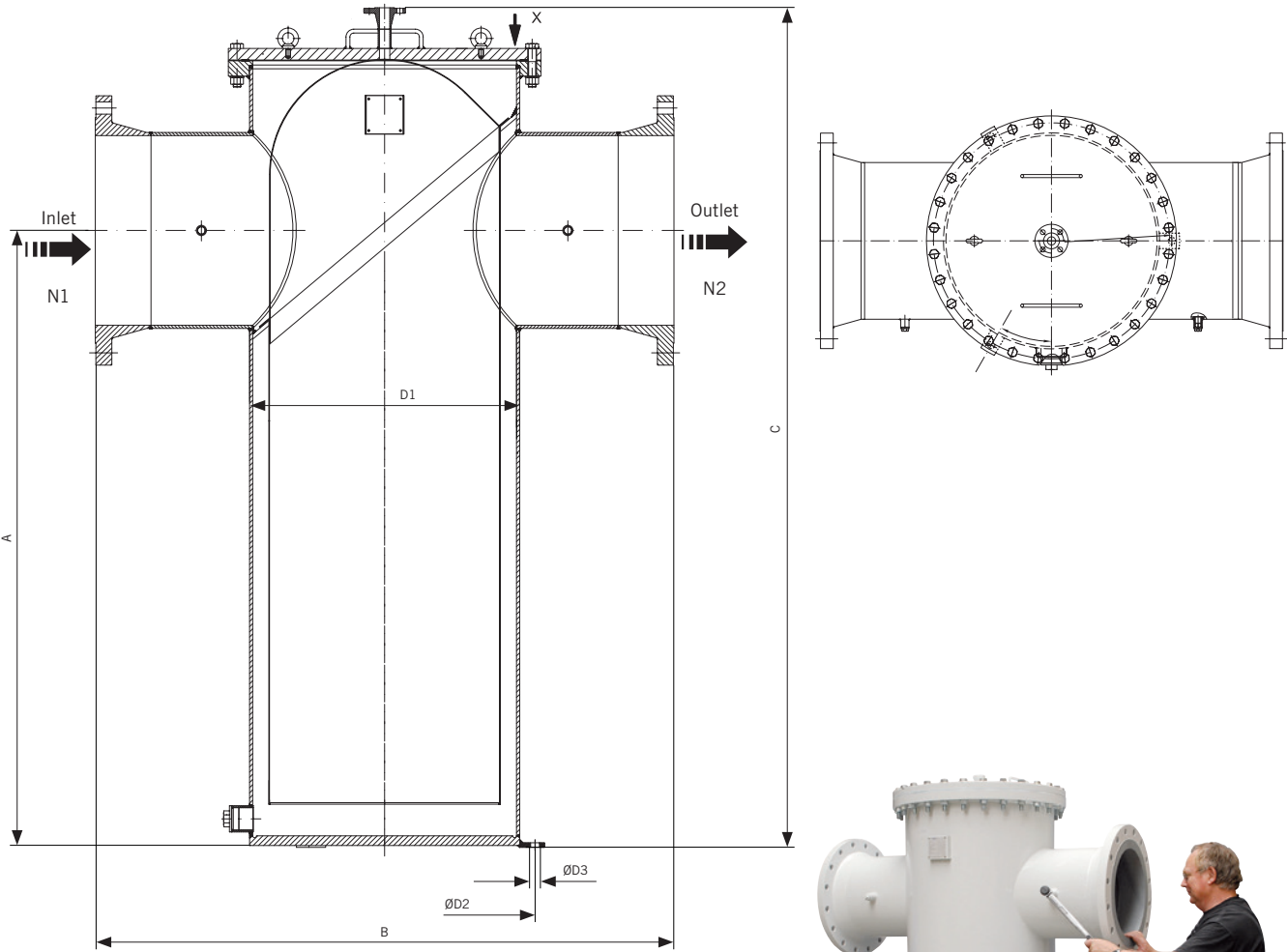
1. Depressurize the filter via vent and drain devices.
2. Loosen the filter closure and take off the cover.
3. Empty the filter via the drain to a level that is at least below the strainer support.
4. Pull the strainer insert upward and out of the filter housing.
The strainer can now be cleaned by careful blowing it out or blasting it with compressed air, steam, or water. If necessary the sieve must be soaked and cleaned in a suitable agent. Under some circumstances optimal sieve cleaning is achieved through ultrasonic bath. For all cleaning types ensure that the filter mesh is not damaged.
5. When assembling the filter check the seals for wear, replace them if necessary.
6. If the medium is changed a conformity evaluation in accordance with PED EN 2014/68/EU must be executed.

Materials (standard version)		
Vessel	St. 35.8, P 265 GH, SS321, SS316Ti, Hastelloy, special materials, plastic PE, PP, PVDF, GFK/FRP	
Filter medium strainer insert	Perforated plate with stainless steel mesh, cartridges, bags	
Nominal diameter DN	Design pressure PN standard – higher PN on request	
15–50	10, 16, 25, 64	Filter opening clamp or bolts and nuts
65–100	10, 16, 25, 64	Filter opening clamp or bolts and nuts
125–300	10, 16, 25	–
300–1000	10, 16, 25	–

On request approval in accordance with DGRL 2014/68/EU, approval in accordance with module G through TÜV.



Technical data and dimensions



Pict. 1: Standard version KWF-Inline

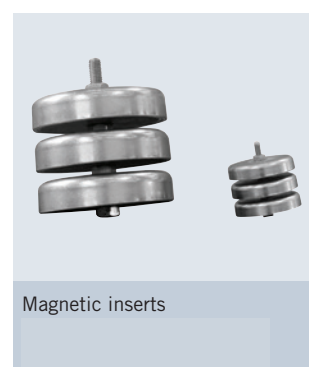
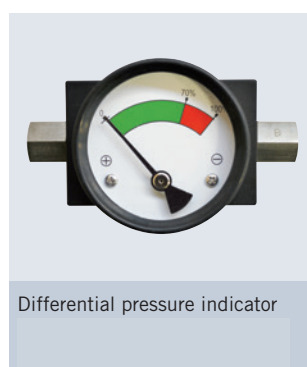
DN	PN	ØD1	ØD2	ØD3	D	A	C	B	Volume	Flow rate	Filter surface area approx.	Weight approx.
mm	bar	mm	mm	mm	mm	mm	mm	mm	dm ³	m ³ /h	cm ²	kg
15–1000												
Dimensions on request/on your demand												

Technical data

Technical data		
	Standard version	Special version or supplemental equipment
Filter insert	Basket strainer insert	Ring type strainer, cartridges, filter bags, slot wedge wire, star pleated strainer, multi mantle element
Degree of filtration	10–1000 µm stainless steel mesh; > 1 mm: perforated plate with round perforation	5 µm, square perforation, braid, cartridges, pleated mesh
Filter cover	Bolts and nuts (Pict. 1)	Clamp, quick release cover, david etc.
Vent	Screw	Ball valve/Flange
Drain	Screw	Ball valve/Flange
Connection	Inlet and outlet on same height, flange in accordance with EN 1092-1 11B	As specified by the customer/ANSI/JIS
Materials		
Vessel and cover	St 35.8, P 265 GH, SS321, SS316Ti	Various plastics such as PP, PE, PVDF, GFK
Cover seal	Asbestos-free flat seal C4400	O-Ring: NBR, FPM, EPDM, MPO, PTFE
Perforated plate/mesh	SS304/SS3161	SS316Ti/SS316, MS/Bz, Hastelloy C 4, titanium, various plastics
Extras		
Supplemental filter	–	Magnetic filter insert
Heater	–	Customized heating connection
Differential pressure indicator	–	Optical, with electric contacts
Surface treatment inside		
Vessel steel	Preservation oil	Corrosion protection paint, epoxy resin, E-CTFE, chemonit 33 rubber lining
Vessel stainless steel	Pickled and passivated	Glass-bead blasted, electro-polished
Surface treatment outside		
Vessel steel	Epoxy RAL 5010 blue	Epoxy coated, glassflake coated, RAL acc. customer specification
Vessel stainless steel	Pickled and passivated	Glass-bead blasted, electro-polished
Design/Certification		
	Evaluation of Conformity acc. to DGRL 2014/68/EU	3.1. Certificate, DGRL/TÜV, GL, LS, DNV, ABS, LR TA type approval, TR TF/TR CU Certificates (EAC) or on request

Accessory

We produce and deliver additional design and material variants on request.
We solicit your request.



По вопросам продаж и поддержки обращайтесь:

Алматы (7273)495-231
Архангельск (8182)63-90-72
Астрахань (8512)99-46-04
Барнаул (3852)73-04-60
Белгород (4722)40-23-64
Брянск (4832)59-03-52
Владивосток (423)249-28-31
Волгоград (844)278-03-48
Вологда (8172)26-41-59
Воронеж (473)204-51-73
Екатеринбург (343)384-55-89
Иваново (4932)77-34-06
Ижевск (3412)26-03-58
Иркутск (395)279-98-46
Россия (495)268-04-70

Казань (843)206-01-48
Калининград (4012)72-03-81
Калуга (4842)92-23-67
Кемерово (3842)65-04-62
Киров (8332)68-02-04
Краснодар (861)203-40-90
Красноярск (391)204-63-61
Курск (4712)77-13-04
Липецк (4742)52-20-81
Магнитогорск (3519)55-03-13
Москва (495)268-04-70
Мурманск (8152)59-64-93
Набережные Челны (8552)20-53-41
Нижний Новгород (831)429-08-12
Киргизия (996)312-96-26-47

Новокузнецк (3843)20-46-81
Новосибирск (383)227-86-73
Омск (3812)21-46-40
Орел (4862)44-53-42
Оренбург (3532)37-68-04
Пенза (8412)22-31-16
Пермь (342)205-81-47
Ростов-на-Дону (863)308-18-15
Рязань (4912)46-61-64
Самара (846)206-03-16
Санкт-Петербург (812)309-46-40
Саратов (845)249-38-78
Севастополь (8692)22-31-93
Симферополь (3652)67-13-56
Казахстан (7172)727-132

Смоленск (4812)29-41-54
Сочи (862)225-72-31
Ставрополь (8652)20-65-13
Сургут (3462)77-98-35
Тверь (4822)63-31-35
Томск (3822)98-41-53
Тула (4872)74-02-29
Тюмень (3452)66-21-18
Ульяновск (8422)24-23-59
Уфа (347)229-48-12
Хабаровск (4212)92-98-04
Челябинск (351)202-03-61
Череповец (8202)49-02-64
Ярославль (4852)69-52-93