

DUPLEX FILTERS

Filtration of



oil



fuel



water

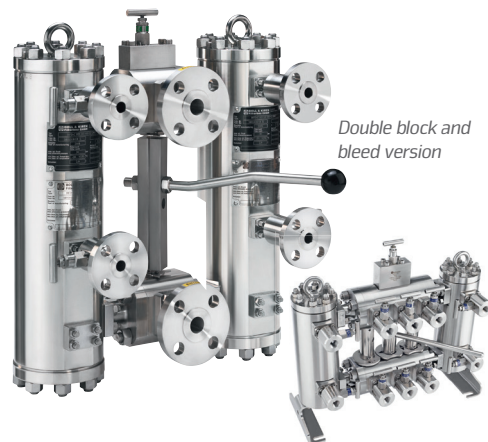


gas


 chemicals
alkalines

Advantages

- large filtration surfaces
- long service life
- low pressure losses
- precisely defined degrees of filtration
- long life time
- simple handling
- switch-over without pressure shock
- compact, space-saving design



BOLLFILTER Duplex Type BFD-P

Application	
Nominal diameters	DN 25 – DN 200 (1" - 8")
Switch-over	ball valve
Material variations Filter housing	carbon steel, stainless steel; forged
Pressure Rating	max. PN 100 (1450 PSI)
Grades of filtration	0,1 µm – 250 µm

BOLLFILTER Duplex Type BFD-C

Application	
Nominal diameters	DN 20 – DN 200 (1" - 8")
Switch-over	ball valve
Material variations Filter housing	carbon steel, stainless steel; forged
Pressure Rating	max. PN 550 (8000 PSI)
Grades of filtration	0,1 µm – 250 µm

Corresponding filter elements



Type of element	Particle/coalescence element	Star-pleated element	Filter cartridge
Duplex filters types	BFD-P/-C	BOLLFILTER Duplex, BFD-P	BOLLFILTER Duplex, Type BFD-P
Filtration grades from/to	> 0,1 µm	10 µm – 250 µm	3 µm – 50 µm
Filter media	multi-layered microfibre glass	stainless steel, wire mesh	paper (1), polyester (2) or fibre glass (3)
Magnetic insert	optional	optional	–
Flow direction	[◀▶]	▶[.]◀	▶[.]◀
Cleaning/replacement	disposable	manual cleaning	disposable

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	BOLLFILTER Duplex Type 2.04.5	BOLLFILTER Duplex Type 2.05.5	BOLLFILTER Duplex Type BFD
Application	  	   	    
Nominal diameters	DN 25 – DN 80 (1" – 3")	DN 100 – DN 250 (4" – 10")	DN 25 – DN 150 (1" – 6")
Switch-over	change-over cock	change-over cock	ball valve
Material variations Filter housing	nodular cast iron	cast iron, nodular cast iron cast iron rubber lined	nodular cast iron cast steel, cast stainless steel
Pressure Rating	PN 25* (362 PSI)	PN 10 (145 PSI)	PN 16 / PN 40* (232/580 PSI)
Grades of filtration	10 µm – 5000 µm	10 µm – 5000 µm	0,5 µm – 5000 µm

* dependent on the filter size

Corresponding filter elements



Type of element	Basket element	Filter cartridge
Duplex filters types	BOLLFILTER Duplex Type 2.04.5, 2.05.5, BFD	BOLLFILTER Duplex, Type BFD, 2.04.5*
Filtration grades from/to	70 µm* – 5000 µm	3 µm – 50 µm
Filter media	stainless steel wire mesh, perforated plate	paper (1), polyester (2) or fibre glass (3)
Magnetic insert	optional	–
Flow direction	[◀▶]	▶[]◀
Cleaning/replacement	manual cleaning	disposable

* for type 2.04.5:
150 µm – 5000 µm

* for type 2.04.5: not
applicable for all housing sizes

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BOLLFILTER Simplex Type 1.12.2

Application	   
Nominal diameters	DN 25 – DN 80 (1" – 3")
Inline connections	yes
Material variations Filter housing	nodular cast iron, cast stainless steel (DN 25 und 50) (1" – 2")
Pressure Rating	PN 32 / PN 40* (464/580 PSI)
Grades of filtration	10 µm – 5000 µm

* dependent on the filter size

BOLLFILTER Simplex Type 1.03.2

Application	   
Nominal diameters	DN 65 – DN 300 (2 1/2" – 12")
Inline connections	yes
Material variations Filter housing	nodular cast iron, nodular cast iron rubber lined
Pressure Rating	PN 10 (145 PSI)
Grades of filtration	10 µm – 5000 µm

Corresponding filter elements



Type of element	Candle elements	Multimantle element
Simplex filter types	1.03.2	BOLLFILTER Simplex Type 1.03.2
Filtration grades from/to	10 µm – 150 µm	10 µm – 2000 µm
Filter media	stainless steel , wire mesh	stainless steel , wire mesh
Magnetic insert	optional	optional
Flow direction	► [] ◄	► [] ◄
Cleaning / replacement	manual cleaning	manual cleaning

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	BOLLFILTER Simplex Type 1.65.1 / 1.53.1	BOLLFILTER Simplex Type 1.78.1 / 1.58	BOLLFILTER Simplex Type BFB-P/-C
Application	   	   	    
Nominal diameters	DN 65 – DN 350 (2 1/2"– 14")	DN 65 – DN 350 (2 1/2"– 14")	DN 25 – DN 200 (1"– 8")
Inline connections	optional	no	no
Material variations Filter housing	carbon steel, stainless steel; welded	carbon steel, stainless steel; welded	carbon steel, stainless steel; forged
Pressure Rating	PN 10 / PN 40* (145/580 PSI)	PN 10 / PN 40* (145/580 PSI)	max. PN 500 (7250 PSI)
Grades of filtration	10 µm – 5000 µm	3 µm – 250 µm	0,1 µm – 250 µm

* dependent on the filter size

Corresponding filter elements



Type of element	Candle elements	Particle/coalescence element
Simplex filter types	1.03.2	BFD-P/-C
Filtration grades from/to	10 µm – 150 µm	> 0,1 µm
Filter media	stainless steel , wire mesh	multi-layered microfibre glass
Magnetic insert	optional	optional
Flow direction	▶ [] ◀	[◀ ▶]
Cleaning / replacement	manual cleaning	disposable

AUTOMATIC FILTERS

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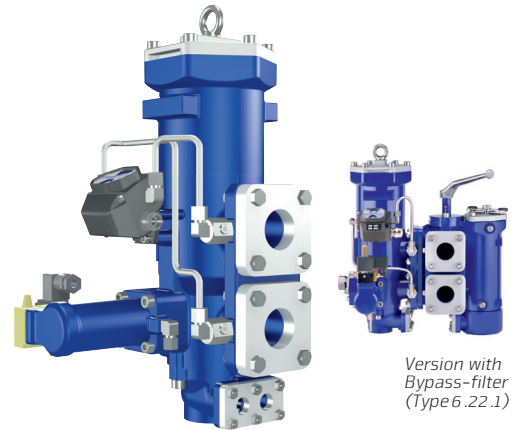


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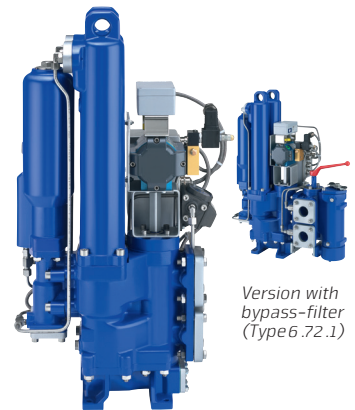
Advantages

- large filter surfaces, long service times
- precisely defined grades of filtration
- systematic removal of filtered particles
- precise backflushing device
- low flushing quantities
- backflushing without interrupting operation
- low pressure losses
- low maintenance
- low operating costs
- long life time
- compact, space-saving design


 Version with
Bypass-filter
(Type 6.22.1)

BOLLFILTER Automatic Type 6.21/6.22

Application	
Nominal diameters	DN 50 (optional with adapter to DN 32) (2 1/2" - 14")
Backflushing	actuated by differential pressure
Material variations Filter housing	nodular cast iron
Pressure Rating	PN 16 (232 PSI)
Grades of filtration*	optional 10 µm, 25 µm, 34 µm oder 48 µm


 Version with treatment
unit for the flushing
liquid (Type 6.64.07)

 Version with
bypass-filter
(Type 6.72.1)

BOLLFILTER Automatic Type 6.46

Application	
Nominal diameters	DN 50 – DN 150 (2" - 6")
Backflushing	continuous
Material variations Filter housing	nodular cast iron
Pressure Rating	PN 10 (145 PSI)
Grades of filtration*	25 µm – 34 µm

BOLLFILTER Automatic Type 6.64

Application	
Nominal diameters	DN 100 – DN 400 (4" - 16")
Backflushing	actuated by differential pressure or time control
Material variations Filter housing	nodular cast iron, nodular cast iron nickle plated
Pressure Rating	PN 16* (232 PSI)
Grades of filtration*	6 µm – 200 µm

BOLLFILTER Automatic Type 6.72

Application	
Nominal diameters	DN 40 – DN 80 (1 1/2" - 3")
Backflushing	actuated by differential pressure or time control
Material variations Filter housing	nodular cast iron
Pressure Rating	PN 16 (232 PSI)
Grades of filtration*	6 µm – 200 µm

 * dependent on
the filter size

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Advantages

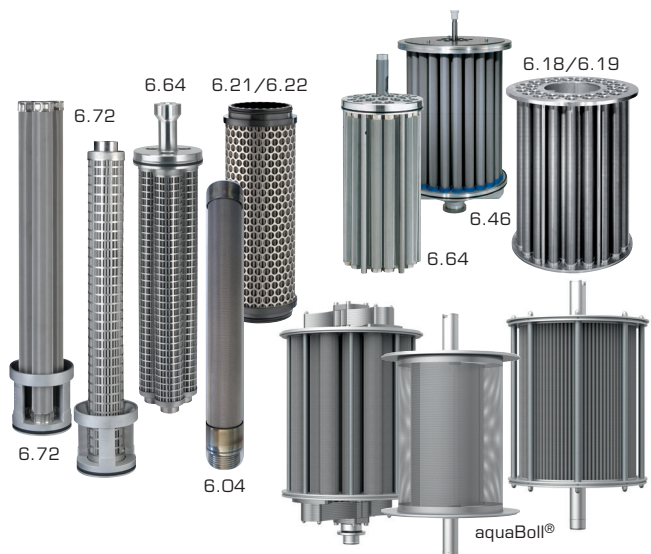
- large filter surfaces, long service times
- precisely defined grades of filtration
- systematic removal of filtered particles
- precise backflushing device
- low flushing quantities
- backflushing without interrupting operation
- low pressure losses
- low maintenance
- low operating costs
- long life time
- compact, space-saving design


BOLLFILTER Automatic Type 6.04
Automatic Filter aquaBoll®
BOLLFILTER Automatic Type 6.18/6.19

Application	 		
Nominal diameters	DN 40	DN 50 - DN 500 / 2" - 20"	DN 50 - DN 1000 / 2" - 40"
Backflushing	actuated by differential pressure or time control	internal medium	actuated by differential pressure or time control
Material variations Filter housing	aluminium, hard coated	carbon steel, rubber lined, nodular cast iron	nodular cast iron, carbon steel, c.s. rubber lined, stainless steel, special alloys
Pressure Rating	(232 PSI)	PN 10 / PN 16* (145/232 PSI)	PN 10* (145 PSI)
Grades of filtration**	20 µm - 500 µm	10 µm - 5 mm	30 µm - 5000 µm

Corresponding filter elements

Type of element	Candle elements for automatic filters
Automatic filter types	aquaBoll®/6.18/6.19, 6.21/6.22, 6.46, 6.64, 6.72
Filtration grades from/to	dependent on type of filter and filter media
Filter media	stainless steel wire mesh, wedge wire profiles
Magnetic insert	-
Flow direction	dependent on type of filter and filter element
Cleaning / replacement	automatic cleaning



* dependent on the filter size, higher pressure stages available on request

** dependent on the filter size