



Braukmann FY71P

Cast steel Y-strainer
with flange connections

APPLICATION

FY71P strainers are used in commercial and industrial applications, as well as for central water supply systems within the limits of their specifications.

They protect systems against malfunction and corrosion damage resulting from the ingress of foreign bodies such as welding beads, sealing materials, metal cuttings and rust etc. This extends the life of the downstream system and prevents early failure.

SPECIAL FEATURES

- Low flow resistance because of good dynamic flow design of body
- Powder-coated inside and outside - Powder used is physiologically and toxicologically safe
- Stainless steel construction gives double sieve good corrosion resistance
- Large strainer mesh surface area provides high dirt acceptance capacity
- Sieve carrier ensures good sealing within housing
- Dirt particles or condensate in compressed air systems can be flushed out with blanking plug removed
- Easy removal of sieve for cleaning



TECHNICAL DATA

Media	
Medium:	Water, oil, compressed air and other non-aggressive mediums
Connections/Sizes	
Connection sizes:	DN65 - DN150
Pressure values	
Max. operating pressure:	40 bar (water, oil and compressed air)
Operating temperatures	
Max. operating temperature medium:	85 °C
Specifications	
Installation position:	In horizontal or vertical pipework with blanking plug downwards

CONSTRUCTION

Overview	Components	Materials
	1 Housing with PN40 flanges to DIN 2545	Cast steel
	2 Triple sieve with mesh size approximately 0.50 mm and with mesh carrier	Stainless steel
	3 Cover plate with blanking plug and sealing ring	Steel cover plate, brass blanking plug
	Not depicted components:	
Disc seal ring	Unitec	

METHOD OF OPERATION

The medium flows in the direction of the arrow through the FY71P and passes through the large surface double sieve from inside to outside. Dirt particles are trapped and collected by the double sieve. Accumulated dirt particles can then easily be removed during programmed cleaning of the strainer.

In addition, if a service valve is fitted instead of the blanking plug, collected dirt and/or condensate in compressed air systems can be flushed out without difficulty.

TRANSPORTATION AND STORAGE

Keep parts in their original packaging and unpack them shortly before use.

The following parameters apply during transportation and storage:

Parameter	Value
Environment:	clean, dry and dust free
Min. ambient temperature:	5 °C
Max. ambient temperature:	55 °C
Min. ambient relative humidity:	25 % *
Max. ambient relative humidity:	85 % *

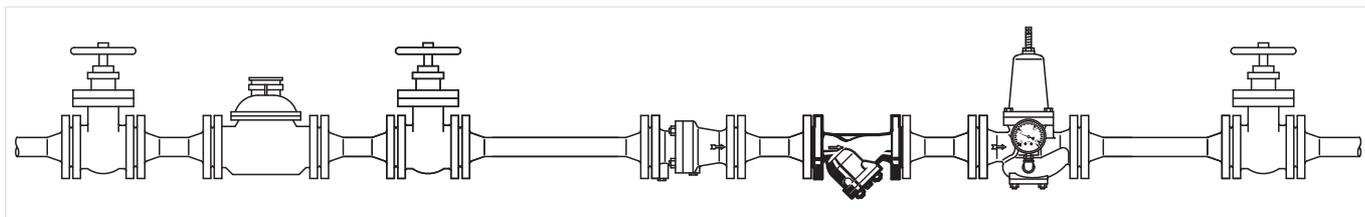
*non condensing

INSTALLATION GUIDELINES

Setup requirements

- If possible install in horizontal pipework with blanking plug downwards
 - This position ensures optimum cleaning efficiency
 - Where installed in rising pipework dirt particles will not collect in strainer
- Install shut-off valves
 - Enables fast cleaning of the strainer
- Ensure good access
 - So that the sieve can be easily removed
 - Simplified maintenance and cleaning

Installation Example



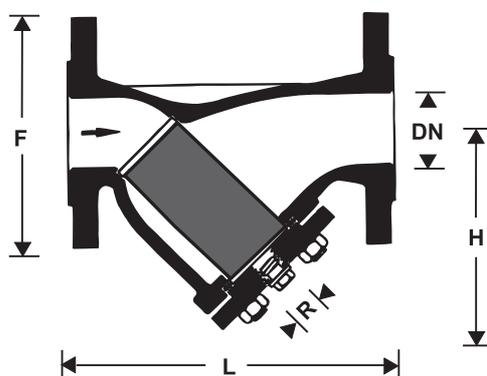
TECHNICAL CHARACTERISTICS

Zeta-Values

Connection sizes:	65	80	100	150
Zeta-value:	2.5	2.9	4.4	5.7

DIMENSIONS

Overview



Parameter		Values			
Nominal sizes:	DN	65	80	100	150
Weight:	kg	18	23	33	80
Dimensions:	L	290	310	350	480
	H	179	203	222	320
	R	1/2"	1/2"	1"	1"
	F	185	200	235	300

Note: All dimensions in mm unless stated otherwise.

ORDERING INFORMATION

The following tables contain all the information you need to make an order of an item of your choice. When ordering, please always state the type, the ordering or the part number.

Options

The strainers are available in the following sizes: DN65 - DN150.

- standard
- not available

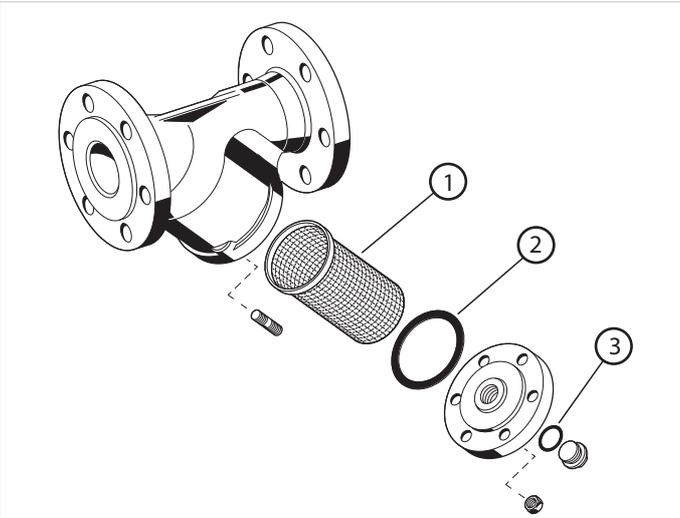
		FY71P-...B
Connection type:	with triple sieve, mesh size approx. 0.50 mm	•

Note: ... = space holder for connection size

Note: Ordering number example for DN65 and type B valve: FY71P-65B

Spare Parts

FY71P Strainers

Overview	Description	Dimension	Part No.
	1 Replacement sieve		
		DN65	ES71Y-65
		DN80	ES71Y-80
		DN100	ES71Y-100
		DN150	ES71Y-150
	2 Cover plate seal		
		DN65	5783000
		DN80	5783100
		DN100	5783200
		DN150	5783400
	3 Blanking plug seal ring		
		DN65	5782400
		DN80	5782400
		DN100	5018000
		DN150	5018000



Manufactured for
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