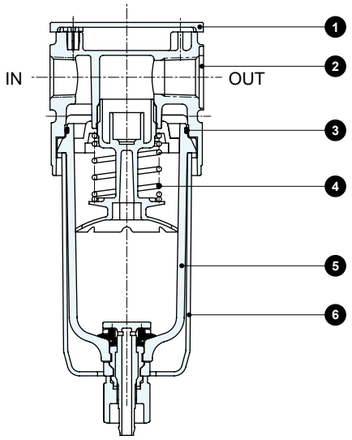
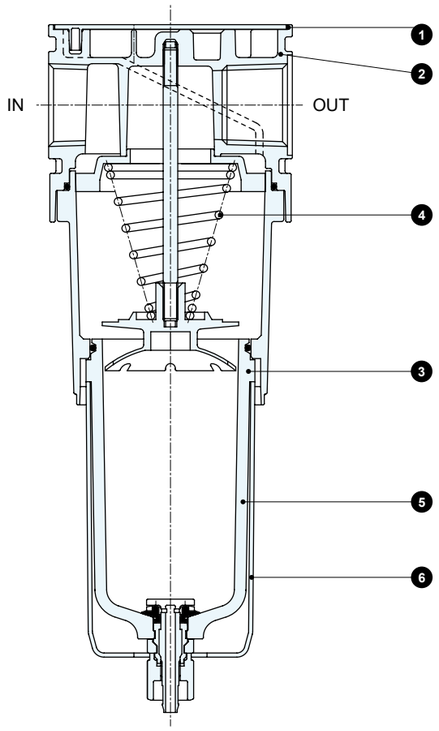
Internal Structure Diagram/Material

●FX1004, FX1011



●FX1037



No.	Part Name	Material		
		FX1004	FX1011	FX1037
1	Plate Cover	ABS Resin		
2	Body	Aluminum alloy die-cast		
3	O-ring	Special Nitrile Rubber		
4	Spring	Stainless steel		
5	Bowl Assembly	Polycarbonate Resin, Polyacetal Resin, Urethane Resin		
6	Bowl Guard	Polyamide Resin, Steel		

For maintenance parts, please visit the CKD Component Products Site (https://www.ckd.co.jp/kiki/en/) → "model No." → Maintenance Parts.

Pneumatic Components (Drain Separator)

To Use This Product Safely

Please read before use.
For general pneumatic components precautions, see Intro 27 for details.

Individual Precautions:Drain Separator FX Series

At Design / Selection

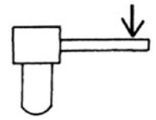
⚠WARNING

■ This product is designed for industrial use. Do not use for medical purposes, or in any equipment or circuit that concerns human life.

■ The plastic bowl is made of polycarbonate or nylon. It cannot be used in environments containing synthetic oil, organic solvents, chemicals, cutting oil, screw locking agent, leakage detection solutions, or hot water, etc., or where these substances may come in contact with the product. Refer to P.543 for details on plastic bowl chemical resistance.

■ Piping Load Torque
Do not apply piping load or torque to the body and piping parts.

Series Name	FX1004	FX1011	FX1037
Maximum Torque N·m	50	50	100

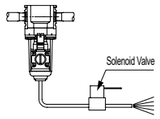


⚠Caution

■ Water-lubricated compressor circuit
Be careful not to mix chlorine-based substances into the compressed air.

■ Use the auto-drain under the working conditions below. It may cause malfunction.
- NO auto-drain (exhaust when not pressurized) : For "F"
  - · Use a compressor with a capacity of 0.75 kw {90 L/min [ANR]} or more.
  - · Set the working pressure to 0.1 MPa or more. (Until 0.1 MPa is reached, air is purged together with the initial drainage.)
- NC auto-drain (no exhaust when not pressurized) : In case of “F1”
  - · A compressor with a capacity of 0.75 kw or less can also be used.
  - · Set the working pressure to 0.15 MPa or more.

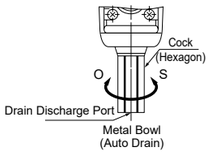
■ The auto-drain may not work correctly if a large amount of drain enters. If there is a large amount of drain, select the bowl option "M" and perform regular drainage using a solenoid valve or the like from the drain pipe.



■ Drain piping
- The drain piping for the plastic bowl has a barbed nipple, and can be directly installed. However, confirm that the drain cock is closed before inserting the tube. Avoid piping that applies lateral load to the bowl. Do not fix the tube connected to the drain discharge port in a state where lateral load is applied. Discharging drainage under lateral load may cause external leakage. If you want to install another valve at the tip of the tube inserted into the drain discharge port to control discharge, please consult us separately.

■ Tightening torque of drain cock
- The maximum tightening torque of the drain cock of the bowl is 0.5 N·m.

■ Drain piping of metal bowl with auto-drain
- Fittings Fix the hex side of the cock before screwing the drain outlet female thread with a yoke, etc. When using the metal bowl with auto-drain, if the drain is piped with a tightening fitting, manual operation is not possible.



For precautions regarding mounting, installation, adjustment, operation, and maintenance, please refer to the CKD Component Products Site (https://www.ckd.co.jp/kiki/en/) → 'model No.' → Instruction Manual.