

# FILTEC

automation



ROTARY FILLERS

**Filtec** manufactures a range of rotary filling equipment with a machine to suit every bottler. Our range includes Filler capper mono blocks and Rinser filler capper tri blocks.

These monoblock and triblock Fillers are the result of over 20 years of building filling machinery. These machines are modular and flexible, offering the pharmaceutical, food, beverage, cosmetic, personal care and home care industries the right technological filling solutions.

Three filling technologies are utilised.

1. Gravity level filling- The GLF series for low viscosity liquids such as milk, water, cordials and beverages.
2. Flow meter filling- The FF Series for low to medium viscosity products such as water, cordials, beverages to lotions, shampoos, light creams, sauces, syrups and suspensions.
3. Net weight filling- The NWF Series for low to high viscosity products such as milk and water to oils, heavy creams and sauces.

The Fillers can handle a large range of glass or plastic bottles from 20ml to 5L with outputs up to 400 bottles per minute.

Rinser Filler cappers are manufactured with rinsers from 8 to 120 heads and with single or multi-stage rinsing. Other options offered are ozonated water rinsing, air rinsing and Hydrogen peroxide sterilising.



**Filtec** offers the food, beverage, home care, pharmaceutical and cosmetic industry state-of-the-art machines and we strive towards new innovations by constantly developing and upgrading our filling technology.

Combining essential features and the simplicity of proven closing systems with widely appreciated high standards of quality and reliability, the high speed net weight, level, and flow meter fillers are the ultimate innovation in the Filtec filling range. This particularly versatile Series has been designed to reach an output speed of up to 400bpm with up to 60 filling heads and 15 capping heads.

Our high speed machines can be equipped with the latest generation of completely automated CIP-SIP systems.

Filtec has developed an automated CIP/SIP system for its Rotary Fillers, which remarkably reduces the manual intervention of the operator with subsequent saving on time and money.

All manual operations between the CIP and the SIP phase have been eliminated and are carried out automatically. The flexible pipes for the washing media and for the steam are now easily connected one to the other and to the fluids discharge manifold, by means of quick-couplers. This system avoids any spillages or leaks of liquid during the entire cleaning process.

All of our Rotary machines are fully validated and can be supplied with validation documentation.

Automatic adjustment of the filling and capping turret height is done by means of motors.



# NET WEIGHT FILLERS

## ULTRA CLEAN





The **NWF Series of Filler Cappers and Rinser Filler Cappers** are state of the art digital load cell technology fillers. The NWF series of machines are ideal for all products from low viscosity products like water to high viscosity products like creams, oils and Foods.

The NWF Clean fillers are designed for micro-biologically sensitive products such as personal care, home care and OTC pharmaceutical products. These are non-contact fillers which reduce the product contact with bacteria during filling thus extending the shelf life of sensitive products.

The NWF series can fill from 50ml to 50000ml with output speeds of up to 400 bpm. Machine sizes range from the small and compact 8 head to the large 60 head machines.

Net weight fillers offer many advantages over traditional older filling technology and include minimal maintenance, accurate filling and flexibility. The state of the art European manufactured digital load cell technology we use includes full automated in flight weight control software to automatically adjust fill weight for superb accuracy.

The NWF series is offered in a Tank or Tank less version. The Tank version fills the liquid under gravity so is ideal for lower viscosity products. The tankless version fills under pressure from a servo driven feed pump. The fill speed is thus adjusted by increasing or decreasing the fill pressure. This options ideal for products with viscosity.

**Servo pump on a tankless filler:**





These **non-contact fillers** utilise our revolutionary Laminar flow nozzles that offer superb filling characteristics with no foaming and no dripping features. This system offers the ultimate in hygiene and ease of cleaning. Equipped with automatic CIP/SIP systems means fast and efficient cleaning of the machines.

The rotary screw capper turret uses variable torque magnetic clutches, is a pick 'n place system and is supplied complete with cap unscrambler. The machine is supplied with one set of change parts. All change overs are very quick and easy as the change over requires no special tools. Change parts are simply replaced and height adjustments made before production can resume. Level control in the tank is controlled by a valve.





## Hot filling on a Net Weight Filler

### FILLER CAPPER OPTIONS

MODELS:	NO. FILLING HEADS:	NO. CAPPING HEADS:	BOTTLE DIAMETER:	BOTTLE HEIGHT:	MAX CAP DIAMETER:	MAX OUTPUT (Bottles/hour):
NWF-UC-0804-PP	8	4	16-95mm	40-230mm	70mm	6000
NWF-UC-1205-PP	12	5	16-95mm	40-230mm	88mm	8000
NWF-UC-1808-PP	18	8	16-95mm	40-230mm	88mm	12 000
NWF-UC-2410-PP	24	10	16-95mm	40-230mm	88mm	18 000
NWF-UC-3610-PP	36	10	16-95mm	40-230mm	88mm	27 000
NWF-UC-4812-PP	48	12	16-95mm	40-230mm	88mm	30 000

### RINSER FILLER CAPPER OPTIONS

MODELS:	NO. RINSING HEADS:	NO. FILLING HEADS:	NO. CAPPING HEADS:	BOTTLE DIAMETER:	BOTTLE HEIGHT:	MAX CAP DIAMETER:	MAX OUTPUT (Bottles/hour):
RNWF-UC-080804-PP	8	8	4	16-95mm	40-230mm	70mm	6000
RNWF-UC-121205-PP	12	12	5	16-95mm	40-230mm	88mm	8000
RNWF-UC-181808-PP	18	18	8	16-95mm	40-230mm	88mm	12 000
RNWF-UC-242410-PP	24	24	10	16-95mm	40-230mm	88mm	18 000
RNWF-UC-363610-PP	36	36	10	16-95mm	40-230mm	88mm	27 000
RNWF-UC-484812-PP	48	48	12	16-95mm	40-230mm	88mm	30 000

*Disclaimer: All information is correct at time of publishing however changes to design or specification may occur at any time at Filtec Automation's discretion*



**Rotary Rinser Net Weight Filler Capper**  
Specialised for 5L bottles at 4000 bph





**Robust, Efficient, Safe**



# GLEF

## GRAVITY LEVEL FILLERS





**Filtec Automation** offers a range of Rotary Level Fillers to fill free flowing, low viscosity products such as milk, water, beverages, cordials, vinegars etc. The Filler can handle a large range of glass and plastic bottle sizes.

The Level Fillers are offered with options such as a Rotary Rinser on the in-feed, a Foil Capper, Pick 'n Place Screw Capper or On The Fly Screw Cappers, full automation and automatic height adjustment when changing bottles.

The filling principal is extremely simple with an in-feed scroll and star wheel moving the containers into the filling area. The containers are lifted on a cam, thus opening the level nozzles with filling automatically stopping at the required fill height. The fill height is simply adjusted by adding or removing spacer rings from the nozzle.

The Rotary Screw Capper uses our variable torque magnetic clutches, is a Pick 'n Place or On The Fly Capper and is supplied complete with cap un-scrambler. The machine is supplied complete with one set of change parts. All change overs are very quick and easy as the change over requires no special tools. Change parts are simply replaced and height adjustments are made before production can resume. Level control in the filling bowl is controlled by a valve. A full CIP system is available on the machine. The filler speed is adjustable from the control panel by means of an inverter.





Thanks to the high level of integration and to the proven reliability of the individual machines the Filtec lines provide high output for the entire production process.





## FILLER CAPPER OPTIONS

<b>MODELS:</b>	<b>NO. FILLING HEADS:</b>	<b>NO. CAPPING HEADS:</b>	<b>BOTTLE DIAMETER:</b>	<b>BOTTLE HEIGHT:</b>	<b>MAX CAP DIAMETER:</b>	<b>MAX OUTPUT (Bottles/hour):</b>
GLF-0804-PP	8	4	16-95mm	40-230mm	70mm	6000
GLF-1205-PP	12	5	16-95mm	40-230mm	88mm	8000
GLF-1505-PP	15	5	16-95mm	40-230mm	88mm	10 000
GLF-1808-PP	18	8	16-95mm	40-230mm	88mm	12 000
GLF-2408-PP	24	8	16-95mm	40-230mm	88mm	18 000
GLF-3610-PP	36	10	16-95mm	40-230mm	88mm	27 000
GLF-4812-PP	48	12	16-95mm	40-230mm	88mm	30 000

## RINSER FILLER CAPPER OPTIONS

<b>MODELS:</b>	<b>NO. RINSING HEADS:</b>	<b>NO. FILLING HEADS:</b>	<b>NO. CAPPING HEADS:</b>	<b>BOTTLE DIAMETER:</b>	<b>BOTTLE HEIGHT:</b>	<b>MAX CAP DIAMETER:</b>	<b>MAX OUTPUT (Bottles/hour):</b>
GLF-080804-PP	8	8	4	16-95mm	40-230mm	70mm	6000
GLF-121205-PP	12	12	5	16-95mm	40-230mm	88mm	8000
GLF-151505-PP	15	15	5	16-95mm	40-230mm	88mm	10 000
GLF-181808-PP	18	18	8	16-95mm	40-230mm	88mm	12 000
GLF-322408-PP	32	24	8	16-95mm	40-230mm	88mm	18 000
GLF-403610-PP	40	36	10	16-95mm	40-230mm	88mm	27 000
GLF-484812-PP	48	48	12	16-95mm	40-230mm	88mm	30 000

# FLOW METER FILLERS





The FF Series of **Monobloc Rotary Filler Cappers and Rinser Filler Cappers** are the result of over 20 years of activity in the field of liquid filling, and are supplied in two versions: The FF-P Series is for pharmaceutical applications and the FF-G Series is for food, beverage, cosmetic, personal care and home care applications.

These machines are modular and flexible, offering the pharmaceutical, food & beverage, cosmetic, personal care and home care industries the right technological filling solutions.

The FF-P and the FF-G Series are offered as a Monobloc Filler Capper or as a Tri-bloc Filler with twin capping stations.

- The FF-G Series Tri-blocs are used commonly for roll-on deodorant where a ball is inserted and then a cap is screwed on afterwards.
- The FF-P Series Tri-blocs are commonly used for pharmaceutical products where a measuring cap is pressed on after capping.

With a high degree of flexibility and modularity, this machine series allows compact and effective combinations to satisfy even the most stringent filling requirements.



The **FF Series** is capable of working under extreme production loads (3 daily shifts) and boasts a very compact overall layout. Their high reliability is proven by the many successful installations worldwide. This series is ideal for a variety of products such as: syrups, solutions, suspensions, sugar or viscous products, or creams and lotions. They can handle from 2 to 3000 ml filling volumes with an output of up to 250 bpm, featuring either Mass Flow Meter or Mag Flow Meter filling technology with dual speed filling nozzles for improved filling accuracy. Bottom-up filling systems are available for very foamy products. Flow Meter Fillers offer many advantages over older technologies and these include minimal maintenance, accurate filling, fast and effective CIP, flexibility and much more!

The FF Series of machines is very compact and ergonomic and couples the Flow Meter Filling operation with the capping station. The capping turrets can be equipped with various closing heads for all types of closures, such as screw caps, push-on caps, aluminium ROPP caps, all typical of pharmaceutical and cosmetic applications.

The compact arrangement of the filling and capping turrets allow the possibility of handling unstable containers in pucks, simplifying and providing solutions for even the most difficult packaging operations. With the wide range of machine models available, the FF Series of machines can be part of complete packaging lines.

**18 Head mass flow meter filler filling Glycerine at 200 bpm:**





USED WITH A VARIETY OF BOTTLES FOR  
PHARMACEUTICAL, COSMETICS, FOOD & BEVERAGES,  
PERSONAL AND HOME CARE PRODUCTS



### **TECHNICAL DATA:**

MASS FLOW METERS OF MAG FLOW METERS WITH SINGLE OR DUAL  
STAGE FILLING NOZZLES

AVAILABLE WITH 8, 12, 18, 24, 36 or 48 FILLING HEADS.

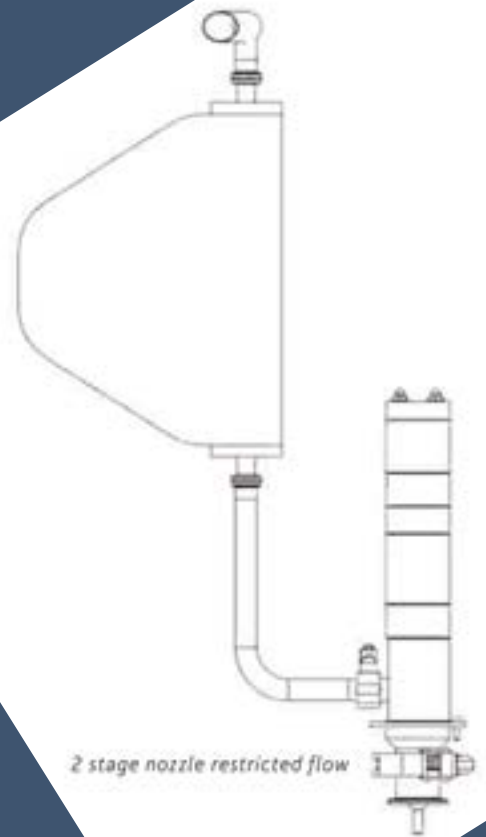
**Filtec** offers the food & beverage, home care, pharmaceutical and cosmetic industry state-of-the-art machines and we strive towards new innovations by constantly developing and upgrading our filling technology. Combining essential features and the simplicity of proven closing systems with widely appreciated high standards of quality and reliability, the FF Series of high speed level and flow meter fillers is the ultimate innovation in the Filtec filling range. The particularly versatile FF Series has been designed to reach an output speed of up to 400 bpm with up to 60 filling heads and 12 capping heads.

Our high speed machines can be equipped with the latest generation of completely automated CIP-SIP systems. Filtec has developed an automated CIP/SIP system for our Rotary Fillers, which remarkably reduces the manual intervention of the operator with subsequent saving on time and money.

All manual operations between the CIP and the SIP phase have been eliminated and are carried out automatically. The flexible pipes for the washing media and for the steam are now easily connected one to the other and to the fluids discharge manifold, by means of quick-couplers. This system avoids any spillages or leaks of liquid during the entire cleaning process.

All of our FF Series machines are fully validated and can be supplied with validation documentation.

Automatic adjustment of the filling and capping turret height is done by means of motors.





Thanks to the high level of integration and the proven reliability of the individual machines, the Filtec lines provide high output for the entire production process.

## FILLER CAPPER OPTIONS

MODELS:	NO. FILLING HEADS:	NO. CAPPING HEADS:	BOTTLE DIAMETER:	BOTTLE HEIGHT:	MAX CAP DIAMETER:	MAX OUTPUT (Bottles/hour):
FF-0804-PP	8	4	16-95mm	40-230mm	70mm	6000
FF-1205-PP	12	5	16-95mm	40-230mm	88mm	8000
FF-1808-PP	18	8	16-95mm	40-230mm	88mm	12 000
FF-2410-PP	24	10	16-95mm	40-230mm	88mm	18 000
FF-3610-PP	36	10	16-95mm	40-230mm	88mm	27 000
FF-4812-PP	48	12	16-95mm	40-230mm	88mm	30 000

## RINSER FILLER CAPPER OPTIONS

MODELS:	NO. RINSING HEADS:	NO. FILLING HEADS:	NO. CAPPING HEADS:	BOTTLE DIAMETER:	BOTTLE HEIGHT:	MAX CAP DIAMETER:	MAX OUTPUT (Bottles/hour):
FF-080804-PP	8	8	4	16-95mm	40-230mm	70mm	6000
FF-121205-PP	12	12	5	16-95mm	40-230mm	88mm	8000
FF-181808-PP	18	18	8	16-95mm	40-230mm	88mm	12 000
FF-242410-PP	24	24	10	16-95mm	40-230mm	88mm	18 000
FF-363610-PP	36	36	10	16-95mm	40-230mm	88mm	27 000
FF-484812-PP	48	48	12	16-95mm	40-230mm	88mm	30 000

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Email: [roelf@filtec.co.za](mailto:roelf@filtec.co.za)

Website: [www.filtec.co.za](http://www.filtec.co.za)

Tel: +27 (0)31 502 6655

Cell: +27 (0)82 822 5742

International Offices: Dubai, Singapore & Bangkok

## FILTEC, TOMORROW'S MACHINERY TODAY

12 Mount Edgecombe Industrial Estate

65 Marshall Drive, Mount Edgecombe, 4302, KwaZulu-Natal