

# Filling machines series Multifill-VRmp



available as Monoblock or as In-line-System

## Filling unit:

### Overview on basic dosing systems

Series MF	mechanical piston fillers
Series MF servo	servo driven piston files
Series MF FM	flow meter fillers
Series MF V	vacuum fillers
Series MF RD	rotary piston fillers



example: MF Servo  
piston filler, servo



example: MF FM  
flow meter filler

**Valve systems:**

- cone valve
- cock valve
- diaphragm valve
- butterfly valve
- needle valve
- special valve systems of different products

**Filling ranges:**

MF	MF Servo	MF FM	MF V	MF RD
25-250ml	5-50ml	1-500ml	10-2000ml	2,5-25ml
50-500ml	10-100ml	10-1000ml		5-50ml
100-1000ml	50-500ml	50-5000ml		10-100ml
250-2500ml	100-1000ml	100-10000ml		25-250ml
500-5000ml	250-2500ml	250-25000ml		50-500ml
	500-5000ml			100-1000ml

**Standard features:**

Number of filling stations:	2-6 (alternatively 2-8 or 2-12)
Product contacting parts:	stainless steel AISI 316 Ti alternatively: Titanium, Hastelloy, Plastics or Ceramics
Filling nozzle type:	positive shut-off-nozzle optionally: blow-off nozzle vacuum-resuction
Machine casing:	stainless steel AISI 304
Drive:	400 V, 3 phase + 0 + earth
Compressed air:	7 bar
Sealings:	Perbunan, Viton, PTFE or EPDM others on request
Optionals:	bottle unscrambler capping machine labelling unit ink-jet printer

**Capping unit:**

example: in-line-version, for Monoblock see pages above

**Standard equipment:**

basic machine with mechanical indexing table  
12 stations (alternatively 16 or 24)  
pneumatic cap dispenser  
capping station for 1 cap type

**available for:**

screw caps  
drop inserts  
press-on caps  
flip-top caps  
cup to cup closure  
pipettes  
brushes  
spray pumps  
triggers  
rubber stoppers  
crimp caps  
ROPP caps  
and many other types

**Faces and Features:****Application example:**

Inserting station for dry cartridge  
cap applicator with pre-twisting unit  
air-cleaning of caps at supply chute  
detection sensor for aluminium foil inside cap  
servo capper with gripper style capping head  
cap detection and inspection station  
pusher for bottles detected as “faulty”  
full Network interface and data processing

**Integrated user-friendliness:**

Quick and easy changeover and adjustment  
either by crank and position indicator  
or by fully automatic height positioning system  
changeover instruction on request over HMI  
plug-and play-design for most size parts.

### Selection of basic VRmp-configuration

The machine is available with 12, 16 or 24 indexing stations, furthermore for 3 different bottle sizes.

The combination of indexing stations and the maximum bottle size define the basic machine type.

Max bottle base size	Number of indexing stations		
	12	16	24
∅ 80 mm	VR-mp 100	VR-mp 110	VR-mp 120
∅ 100 mm	VR-mp 200	VR-mp 210	VR-mp 220
∅ 150 mm	VR-mp 300	VR-mp 310	VR-mp 320
400x300 mm	VR-mp 400	VR-mp 410	VR-mp 420

For large containers we supply the machine alternatively with feed screw instead of indexing table.

### Selection of machine drive system:

The capping machines series VR-mp are available in a great variety of drive configurations. The drive code of the machine explains which movement is driven by which method.

- m mechanical drive (electromotor, with rotary or linear gear)
- e electric drive
- p pneumatic drive (pneumatic cylinders)
- s servo drive

Drive code	- mpp	- mep	- mee	- msp	- mse	- mss	- sss
Indexing table drive	m	m	m	m	m	m	s
Capping motor drive	p	e	e	s	s	s	s
Lifting of capping head	p	p	e	p	e	s	s

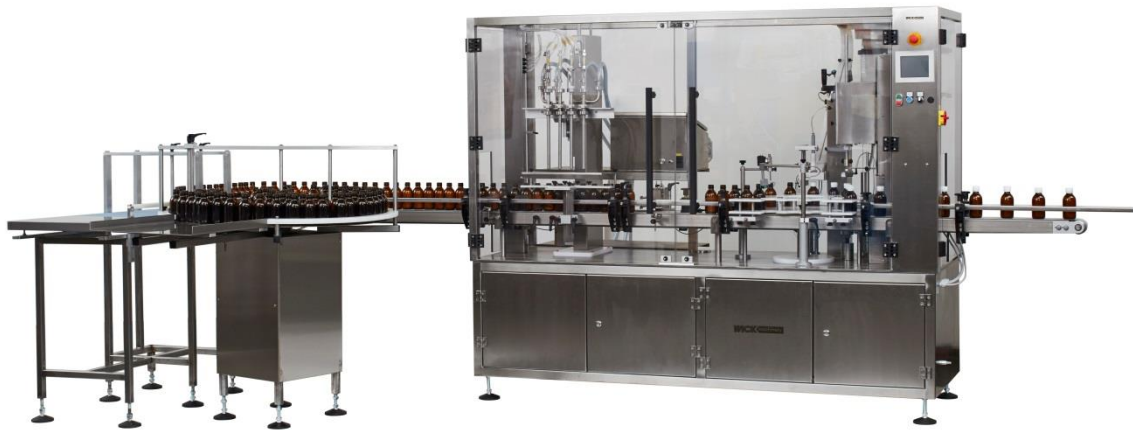
Example: Capping machine VR-mp, maximum bottle diameter 100mm, 12 capping stations, indexing table mechanically driven, capping motor servo driven, lifting of capping head mechanically

Machine type key: VR-mp 200 –mse

Depending on requested output and cap type we offer following methods of cap-infeed:

- manually on a chute or on a conveyor
- via cap rotary table
- via vibration sorting machine
- via disk sorting machine
- via turbo sorter
- other systems on request

## Typical Multifill Line with capper in Monoblock-version



## Typical Multifill Line with capper and labeller (in-line-version)

