MultiWeigh®

Precision in weighing technology

Food Automation

ENGINEERED FOR EXCELLENCE IN MACHINERY

Multiheadweighers for industrial purpose

Catalogue

MultiWeigh®

MultiWeigh

MultiWeigh® is a produkt of
HD Wiegetechnik GmbH
Altenberger Straße 43
35576 WETZLAR GERMANY
Tel: 0049 6441 44 79 99-0
Fax: 0049 6441 44 79 99-9
info@MultiWeigh.com
www.MultiWeigh.com

Food Automation
ENGINEERED FOR EXCELLENCE IN MACHINERY

Food Automaton Pty Ltd
PO Box 3242 Newton
South Australia 5074
Tel: +61 427 565 658
Email: chris@foodautomation.com.au
Web: www.foodautomation.com.au

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Technology

Precision, reliability, hygiene, high performance

- High capacity and accuracy
- Low cleaning intervals
- Product contacting parts quick releasable
- Maintenance free
- Modular design
- Compliance with ingress protection IP67 and higher
- Special executions for sticky products, fragile products, granulated products
- PTB Approval, compliance with OIML R 61

MultiWeigh® "Direct-Drive System",
steppermotor operated hoppergates

- Precise, fast hoppergate motion
- Maintenance free, without pullback springs
- Low noise pollution
- Multiweigh® "Hopper Control" recognizes and displays malfuncions
- Hoppers fully interchangeable

Sophisticated control technology

- Multiweigh® Touchscreen Control Unit
- Multiweigh® -PC-Control multiprocessortechnology
- Modular elektronic units placed in the actuator modules
- Easy programmable, interactive software
- 200 program setups
- Multilingual
- Self-diagnosis with failure report
- Network communication ports
- Remote maintenance via VPN
- Statistic and production data protocol
- Automatic optimising of production speed
- Automatic optimising of average weight
- Automatic taring
- Calibration prog

Direct-Drive

MultiWeigh weighers are designed with MultiWeigh „Direct-Drive" Actuator modules

- High precision Load cells
- No Internal or external springs – hoppers are direct drive only.
- High Speed stepper motors
- Modular electronic unit for each Weigh hopper and feed hopper, easily interchangeable to reduce maintenance downtime

MultiWeigh „Direct-Drive" Actuator modules

- High precision Load cells
- No Internal or external springs – hoppers are direct drive only.
- High Speed stepper motors
- Modular electronic unit for each Weigh hopper and feed hopper, easily interchangeable to reduce maintenance downtime

MultiWeigh MW XV-W

MultiWeigh technology down-the-line: universally applicable

Type	Weighing range	Max.Volume/ Discharge	Performance
MW XV 10-2.0	30g to 2.500g	5.000 ccm	70/min
MW XV 10-4.0	30g to 5.000g	10.000 ccm	60/min
MW XV 10-6.0	30g to 5.000g	15.000 ccm	60/min
MW XV 10-8.0	30g to 5.000g	15.000 ccm	70/min
MW XV 14-2.0	30g to 2.500g	5.000 ccm	120/min
MW XV 14-4.0/6.0	30g to 2.500g	10.000 ccm	110/min
MW XV 14-5.0/7.0	30g to 2.500g	12.000 ccm	100/min
MW XV 16-2.0	30g to 2.500g	5.000 ccm	140/min
MW XV 16-4.0	30g to 2.500g	10.000 ccm	130/min
MW XV 18-2.0	30g to 2.500g	5.000 ccm	140/min
MW XV 20-2.0	30g to 2.500g	5.000 ccm	140/min
MW XV 20-4.0	30g to 2.500g	5.000 ccm	130/min
MW XV 24-2.0	30g to 2.500g	5.000 ccm	140/min

MultiWeigh MW XV-W Memory

High performance for larger products and weights

Type	Weighing range	Max.Volume/ Discharge	Performance
MW XV 10-2.0	30g to 2.500g	5.000 ccm	70/min
MW XV 10-4.0	30g to 5.000g	10.000 ccm	60/min
MW XV 10-6.0	30g to 5.000g	15.000 ccm	60/min
MW XV 10-8.0	30g to 5.000g	15.000 ccm	70/min
MW XV 14-2.0	30g to 2.500g	5.000 ccm	120/min
MW XV 14-4.0/6.0	30g to 2.500g	10.000 ccm	110/min
MW XV 14-5.0/7.0	30g to 2.500g	12.000 ccm	100/min
MW XV 16-2.0	30g to 2.500g	5.000 ccm	140/min
MW XV 16-4.0	30g to 2.500g	10.000 ccm	130/min
MW XV 18-2.0	30g to 2.500g	5.000 ccm	140/min
MW XV 20-2.0	30g to 2.500g	5.000 ccm	140/min
MW XV 20-4.0	30g to 2.500g	5.000 ccm	130/min
MW XV 24-2.0	30g to 2.500g	5.000 ccm	140/min

MultiWeigh MW XV-Compact

Ideal for: low weights, small products, high performance

Type	Weighing range	Max.Volume/ Discharge	Performance
MW XV 10-0.5	1g to 250g	750 ccm	70/min
MW XV 10-1.0	1g to 500g	1.500 ccm	70/min
MW XV 10-1.3	1g to 750g	2.000 ccm	70/min
MW XV 14-0.5	1g to 250g	750 ccm	150/min
MW XV 14-1.0	1g to 500g	1.500 ccm	150/min
MW XV 16-0.5	1g to 250g	750 ccm	160/min
MW XV 16-1.0	1g to 500g	1.500 ccm	160/min
MW XV 18-0.5	1g to 250g	750 ccm	180/min
MW XV 18-1.0	1g to 500g	1.500 ccm	180/min
MW XV 20-0.5	1g to 250g	750 ccm	180/min
MW XV 20-1.0	1g to 500g	1.500 ccm	180/min
MW XV 20-1.3	1g to 750g	2.000 ccm	180/min
MW XV 24-0.5	1g to 250g	750 ccm	180/min
MW XV 24-1.0	1g to 500g	1.500 ccm	180/min
MW XV 24-1.3	1g to 750g	2.000 ccm	180/min
MW XV 30-0.5	1g to 250g	750 ccm	180/min
MW XV 30-1.0	1g to 500g	1.500 ccm	180/min
MW XV 36-1.0	1g to 500g	1.500 ccm	180/min

MultiWeigh MW XV-Compact Memory

Dosing with high perfomance:
Up to 720 weights per minute

Type	Weighing range	Max.Volume/ Discharge	Performance
MW XV 14-0.5-M	1g to 250g	750 ccm	160/min
MW XV 16-0.5-M	1g to 250g	750 ccm	160/min
MW XV 16-1.0-M	1g to 500g	1.500 ccm	160/min
MW XV 18-0.5-M	1g to 250g	750 ccm	225/min
MW XV 18-1.0-M	1g to 500g	1.500 ccm	225/min
MW XV 20-0.5-M	1g to 250g	750 ccm	200/min
MW XV 20-1.0-M	1g to 500g	1.500 ccm	200/min
MW XV 24-0.5-M	1g to 250g	750 ccm	240/min
MW XV 24-1.0-M	1g to 500g	1.500 ccm	240/min
MW XV 30-0.5-M	1g to 250g	750 ccm	300/min
MW XV 30-1.0-M	1g to 500g	1.500 ccm	300/min
MW XV 36-0.5-M	1g to 250g	750 ccm	540/min
MW XV 36-1.0-M	1g to 500g	1.500 ccm	540/min
MW XV 48-0.5-M	1g to 250g	750 ccm	720/min
MW XV 48-1.0-M	1g to 500g	1.500 ccm	720/min

MultiWeigh MW XV L/LS

Gentle and accurate dosing of Fruits and Vegetables

Type	Weighing range	Max.Volume/ Discharge	Performance
MW XV 10-8.0-L/LS	20g to 20.000g	15.000 ccm	50/min
MW XV 14-8.0-L/LS	100g to 20.000g	20.000 ccm	80/min
MW XV 18-8.0-L/LS	100g to 20.000g	20.000 ccm	100/min

MultiWeigh MW XV L/LS for frozen food

For larger frozen food products up to 300mm length

Type	Weighing range	Max.Volume/ Discharge	Performance
MW XV 10-8.0-L/LS	20g to 20.000g	15.000 ccm	50/min
MW XV 14-8.0-L/LS	100g to 20.000g	20.000 ccm	80/min
MW XV 18-8.0-L/LS	100g to 20.000g	20.000 ccm	100/min

MultiWeigh MW XV-HR

Smooth dosing of sticky products
Made for high hygienic standards

Type	Weighing range	Max.Volume/ Discharge	Performance
MW XV 14-1.0-HR	5g to 1.000g	1.500 ccm	80/min
MW XV 20-1.0-HR-Twin	5g to 1.000g	1.500 ccm	120/min
MW XV 10-2.0-HR	10g to 2.500g	4.000 ccm	50/min
MW XV 14-2.0-HR	10g to 2.500g	4.000 ccm	80/min

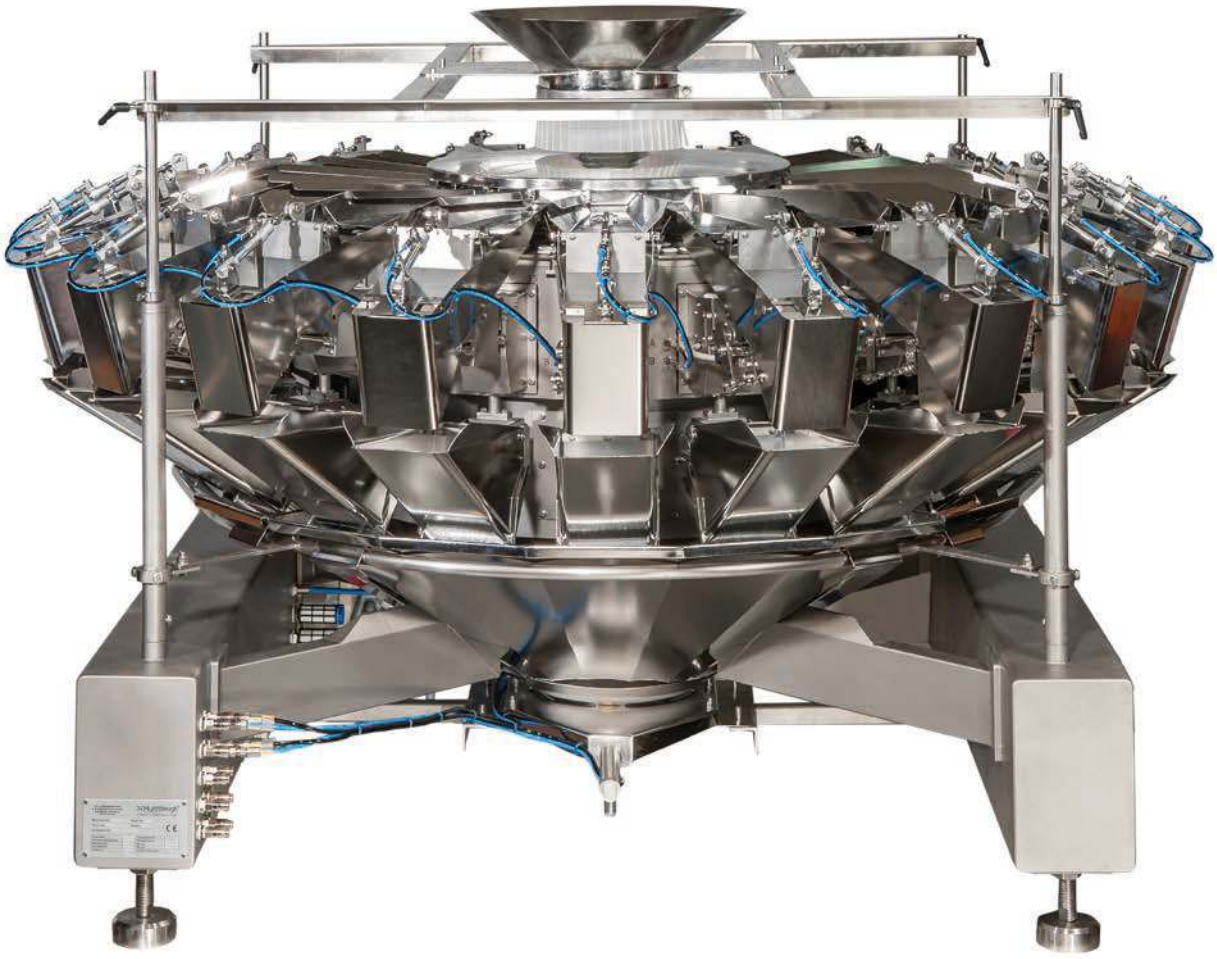
MultiWeigh MW XV-L-Salad

Up to 20% faster throughput using the new MultiWeigh® HDX Vibration technology

Type	Weighing range	Max.Volume/ Discharge	Performance
MW XV 14-8.0-L	20g to 2.500g	15.000 ccm	80/min
MW XV 14-8.0-LS	100g to 5.000g	20.000 ccm	65/min

MultiWeigh MW XV-GS

Best handling for delicate products: Gentle and accurate dosing of Cookies, Wafers, Bonbons, Pasta



Type	Weighing range	Max.Volume/ Discharge	Performance	Product-Mix
MW XV 10-1.3-GS	5g to 500g	750 ccm	40/min	
MW XV 14-1.5-GS	5g to 1.000g	3.000 ccm	60/min	
MW XV 20-1.0-GS	5g to 500g	750 ccm	80/min	2-Mix
MW XV 24-1.0-GS	5g to 500g	750 ccm	120/min	2-Mix, 3-Mix

MultiWeigh MW XV-S

The solution for dosing and lenghtwise orientated product transfer in the packaging

Type	Weighing range	Max.Volume/ Discharge	Performance
MW XV 14-1.0-S	5g to 1.000g	1.500 ccm	70/min
MW XV 16-1.0-S	5g to 1.000g	1.500 ccm	90/min

MultiWeigh MW XV-SN

Dosing of chips and snacks at top speed

Type	Weighing range	Max.Volume/ Discharge	Performance
MW XV 14-1.5-SN	10g to 300g	3.000 ccm	200/min
MW XV 14-3.0-SN	10g to 500g	6.000 ccm	120/min

MultiWeigh MW XV-Triple

Highspeed for Sweets and Fruitgums

Type	Weighing range	Max.Volume/ Discharge	Performance
MW XV 18-1.0-Triple	2g to 50g	250 ccm	180/min
MW XV 18-1.0-M-Triple	2g to 500g	750 ccm	210/min

MultiWeigh for mixing of products

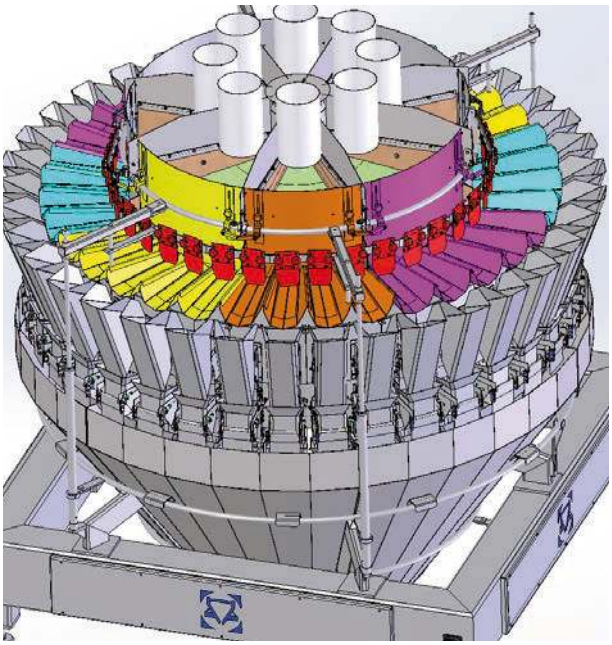
Weighing and mixing of up to 10 components according to an adjustable recipe

Weighing and mixing of up to 10 components according to an adjustablqe recipe

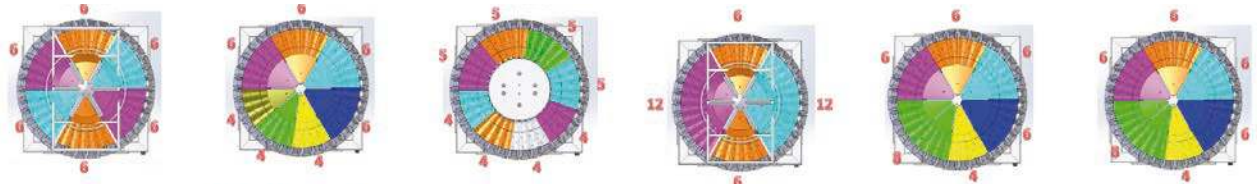
MultiWeigh Weighers from the actual MW XV Series can be splitted into different sectors to weigh various products and blend them to mixture according the adjusted recipe.

The purpose of such Mix-Weighers is to produce Ready dishes, Muelis, Variation packs from sweets or chocolate bars aso with exact the content of each product as required.

The MultiWeigh MW-XV –GS Series does this in a very gentle way for fragile products. The MultiWeigh MW XV Series is available with up to 48 heads and Memory technology to mix up to 10 different products with high performance and accuracy.



Individual setup for the different products



MultiWeigh Mobile Solutions

Mobile solutions for the filling of trays at different production lines

MultiWeigh mobile solutions are perfectly suitable to be used at different packaging lines. The weigher is moved safely by the means of a „Power Trolley".

The trolley is designed with a electro-hydraulic height adjustment to lower the weigher in cleaning position with good accessibility.

Lift up, remove from filling position

Lower down in cleaning position

Base unit

Depositor unit

MultiWeigh Power Trolley

Infeed belt in cleaning position

Type	Weighing range	Max.Volume/ Discharge	Performance
MW XV 10-1.0	5g to 500g	1.500 ccm	60/min
MW XV 14-1.0	5g to 500g	1.500 ccm	100/min
MW XV 20-1.3-Twin	10g to 1.500g	2.000 ccm	2 x 60/min

MultiWeigh Cleaning Concept

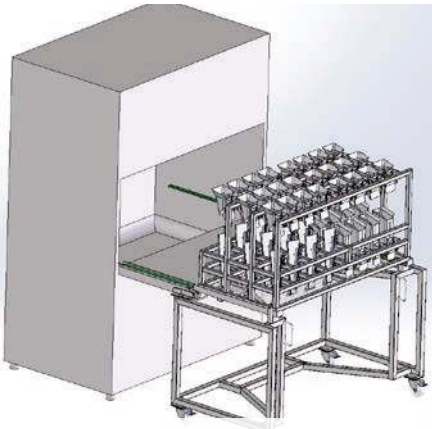
Quick and effective sanitation, modular design and smart solutions for easy cleaning.

MultiWeigh MW XV weighers from all series are easy to clean. All product contact parts can be removed without tools. The hoppers are placed at a washing wall for cleaning , which is integrated in the weigher gantry.

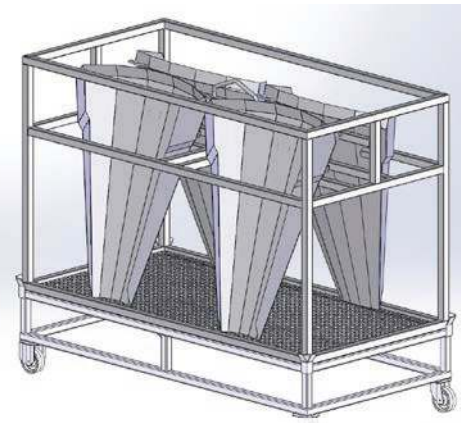
The hoppers are open because of our springless design which makes cleaning easier and cuts down cleaning time.

Bigger parts as outlet chutes are placed on a cleaning trolley. The most convenient solution is a automatic washing machine. The contact parts are placed into washing bins on moveable trolleys. The bins can be easy pushed into the washing machine.

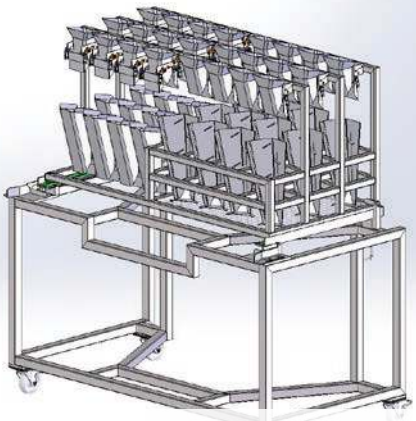
A second set of product contact parts minimizes downtime and allows to carry on production with almost no stopping.



cleaning trolley and washing machine



Outlet chutes in the cleaning trolley



Pool- and weighhoppers in the cleaning trolley

Cleaning station for pool- and weighhoppers

MultiWeigh® Model Overview

Type	Weighing range	Max.Volume/ Discharge	Performance
Serie GS			
MW XV 10-1.0-GS	5g to 500g	750 ccm	40/min
MW XV 14-1.5-GS	5g to 1.000g	3.000 ccm	60/min
MW XV 20-1.0-GS	5g to 500g	750 ccm	80/min
MW XV 24-1.0-GS	5g to 500g	750 ccm	120/min
Serie L/LS			
MW XV 10-8.0-L/LS	20g to 20.000g	15.000 ccm	50/min
MW XV 14-8.0-L/LS	100g to 20.000g	20.000 ccm	80/min
MW XV 18-8.0-L/LS	100g to 20.000g	20.000 ccm	100/min
Serie S			
MW XV 14-1.0-S	5g to 1.000g	1.500 ccm	70/min
MW XV 16-1.0-S	5g to 1.000g	1.500 ccm	90/min
Serie HR			
MW XV 14-1.0-HR	5g to 1.000g	1.500 ccm	80/min
MW XV 20-1.0-HR-Twin	5g to 1.000g	1.500 ccm	120/min
MW XV 10-2.0-HR	5g to 2.500g	4.000 ccm	50/min
MW XV 14-2.0-HR	5g to 2.500g	4.000 ccm	80/min
Serie Kompakt-Memory			
MW XV 14-0.5-M	1g to 250g	750 ccm	160/min
MW XV 16-0.5-M	1g to 250g	750 ccm	160/min
MW XV 16-1.0-M	1g to 500g	1.500 ccm	160/min
MW XV 18-0.5-M	1g to 250g	750 ccm	225/min
MW XV 18-1.0-M	1g to 500g	1.500 ccm	225/min
MW XV 20-0.5-M	1g to 250g	750 ccm	200/min
MW XV 20-1.0-M	1g to 500g	1.500 ccm	200/min
MW XV 24-0.5-M	1g to 250g	750 ccm	240/min
MW XV 24-1.0-M	1g to 500g	1.500 ccm	240/min
MW XV 30-0.5-M	1g to 250g	750 ccm	300/min
MW XV 30-1.0-M	1g to 500g	1.500 ccm	300/min
MW XV 36-0.5-M	1g to 250g	750 ccm	540/min
MW XV 36-1.0-M	1g to 500g	1.500 ccm	540/min
MW XV 48-0.5-M	1g to 250g	750 ccm	720/min
MW XV 48-1.0-M	1g to 500g	1.500 ccm	720/min
Serie W-Memory			
MW XV 16-2.0-M	30g to 2.500g	5.000 ccm	160/min
MW XV 20-2.0-M	30g to 2.500g	5.000 ccm	200/min
MW XV 24-2.0-M	30g to 2.500g	5.000 ccm	240/min
MW XV 30-2.0-M	30g to 2.500g	5.000 ccm	300/min

Type	Weighing range	Max.Volume/ Discharge	Performance
Serie Kompakt			
MW XV 10-0.5	1g to 250g	750 ccm	70/min
MW XV 10-1.0	1g to 500g	1.500 ccm	70/min
MW XV 10-1.3	1g to 750g	2.000 ccm	70/min
MW XV 14-0.5	1g to 250g	750 ccm	150/min
MW XV 14-1.0	1g to 500g	1.500 ccm	150/min
MW XV 14-1.5-SN	10g to 300g	3.000 ccm	200/min
MW XV 14-3.0-SN	10g to 500g	6.000 ccm	120/min
MW XV 16-0.5	1g to 250g	750 ccm	160/min
MW XV 16-1.0	1g to 500g	1.500 ccm	160/min
MW XV 18-0.5	1g to 250g	750 ccm	180/min
MW XV 18-1.0	1g to 500g	1.500 ccm	180/min
MW XV 20-0.5	1g to 250g	750 ccm	180/min
MW XV 20-1.0	1g to 500g	1.500 ccm	180/min
MW XV 20-1.3	1g to 750g	2.000 ccm	180/min
MW XV 24-0.5	1g to 250g	750 ccm	180/min
MW XV 24-1.0	1g to 500g	1.500 ccm	180/min
MW XV 24-1.3	1g to 750g	2.000 ccm	180/min
MW XV 30-0.5	1g to 250g	750 ccm	180/min
MW XV 30-1.0	1g to 500g	1.500 ccm	180/min
MW XV 36-1.0	1g to 500g	1.500 ccm	180/min
Serie W			
MW XV 10-2.0	30g to 2.500g	5.000 ccm	70/min
MW XV 10-4.0	30g to 5.000g	10.000 ccm	60/min
MW XV 10-6.0	30g to 5.000g	15.000 ccm	60/min
MW XV 10-8.0	30g to 5.000g	15.000 ccm	70/min
MW XV 14-2.0	30g to 2.500g	5.000 ccm	120/min
MW XV 14-4.0/6.0	30g to 2.500g	10.000 ccm	110/min
MW XV 14-5.0/7.0	30g to 2.500g	12.000 ccm	100/min
MW XV 16-2.0	30g to 2.500g	5.000 ccm	140/min
MW XV 16-4.0	30g to 2.500g	10.000 ccm	130/min
MW XV 18-2.0	30g to 2.500g	5.000 ccm	140/min
MW XV 20-2.0	30g to 2.500g	5.000 ccm	140/min
MW XV 20-4.0	30g to 2.500g	5.000 ccm	130/min
MW XV 24-2.0	30g to 2.500g	5.000 ccm	140/min
MW XV 30-2.0	30g to 2.500g	5.000 ccm	200/min
Serie RT			
MW XV 14-2.0-RT	30g to 1.000g	2.000 ccm	120/min

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Altenberger Straße 43
35576 WETZLAR GERMANY

Tel: 0049 6441 44 79 99-0
Fax: 0049 6441 44 79 99-9

info@MultiWeigh.com
www.MultiWeigh.com

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ENGINEERED FOR EXCELLENCE IN MACHINERY

Food Automation Pty Ltd
PO Box 3242 Newton
South Australia 5074
T: +61 427 565 658
E: chris@foodautomation.com.au
W: www.foodautomation.com.au