microdos

dosing systems

Technical Datasheets

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100% made in ITALY

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PRODUCT SPECIFICATIONS



ME2-CA

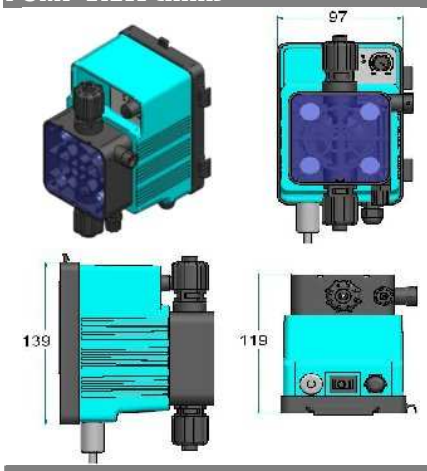
Constant Analogic Electromagnetic PumpWith Manually Adjustable Flowrate

- Solenoid Constant Analogic pump
- Easy installation and minimal maintenance
- Frequency manual adjustment scale [0 to 100%]
- ON / OFF function
- State led
- Pump head with manual bleed for pressure priming
- PP CASE and HEAD reinforced 30% talk
- IP 54 protection
- Sicurity and reliability
- Policarbonate front panel
- Wall mounting with stirrup
- 2,5 mt power supply cable
- Accessories Kit:
  Pyrex Ball version: Pyrex Ball injection valve,hastelloy spring
  Lip Version : Viton Lip valve, Viton fettings

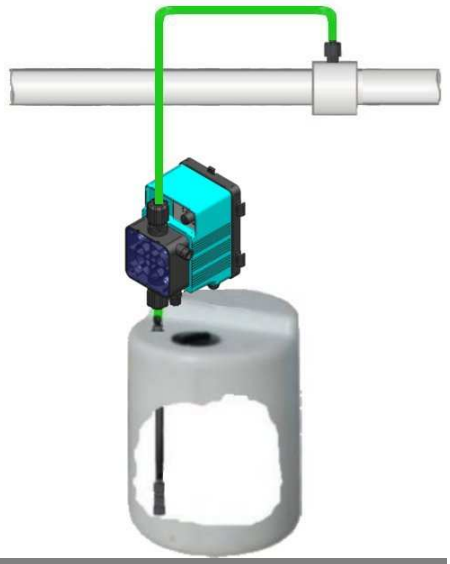
Optional:

- ***Self Degassing Pump Head***
- ***PVDF Pump Head***

PUMP VIEW (mm)



INSTALLATION EXAMPLE



INSTALLATION KIT



Mounting Bracket+ Screws	Suction Tube 2mt PVC	Inj.Tube 2mt PE	PP Injection Valve Pyrex Ball-Viton OR	PP Foot Filter	1,5mt PVC bleed tube

LIQUID ENDS

Component	Standard	Optional
Pump head	PP	PVC / PVDF
Diaphragm	PTFE	
Valve Balls	Pyrex	AISI316 / Ceramic
Injection fittings	PP	
O rings	Viton	Dutral
LIP Valve	Viton	
Ball Valve	Hastelloy / Pyrex	AISI 316

TECHNICAL INFORMATION

CODE: *LIP VALVE Version*	Lt/h	ML/Pulse	Bar	Maximum Pulse/Min	Stroke	Watt	Tube
E10AA0205300	5	0,69	2	120	1,3	50	4x6 mm
E10AA0504300	4	0,55	5	120	1,3	50	4x6 mm
E10AA0703300	3	0,41	7	120	1,3	50	4x6 mm
BALL VALVE Version							
E10CA1215300	1,5	0,21	12	120	1,1	50	4x6 mm
E10CA1215300	3	0,41	9	120	1,3	50	4x6 mm
E10CA1215300	5	0,69	5	120	1,3	50	4x6 mm
E10CA1215300	7	0,97	2	120	1,3	50	4x6 mm

PACKAGE (cm / Kg)

	KG
Pump: 15,5 x 18 x 22	3,00
Multipack (9 Psz): 50 x 25 x 57	27

APPLICATIONS

- Chemical industries
- Laboratories and analysis
- Water Treatment
- Detergency
- Disinfection
- Swimming pools

NOTES

- MADE IN ITALY
- 100% Tested before delivery
- Produced conform to CE laws

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PRODUCT SPECIFICATIONS



ME1-CA

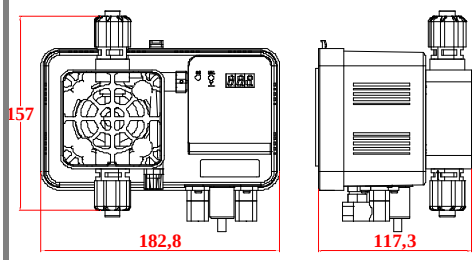
Constant Analogic Electromagnetic PumpWith Manually Adjustable Flowrate

- Solenoid Constant Analogic pump
- Easy installation and minimal maintenance
- Frequency regulated manually from 0 to 100%
- ON / OFF function
- Stand-by button
- State led [ON – Working – Stand By]
- Pump head with manual bleed for pressure priming
- PP CASE and HEAD reinforced 30% talk
- IP 54 protection
- Sicurity and reliability
- Policarbonate front panel
- Wall mounting with stirrup
- 2,5 mt power supply cable
- Accessories Kit with ball injection valve, hastelloy spring

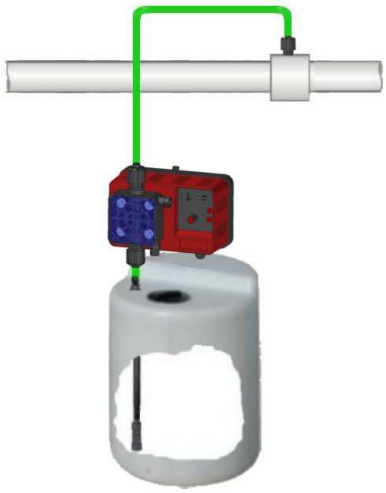
Optional:

- ***Self Degassing Pump Head***
- ***PVDF Pump Head***

PUMP VIEW (mm)



INSTALLATION EXAMPLE



INSTALLATION KIT



Mounting Bracket+ Screws	Suction Tube 2mt PVC	Inj.Tube 2mt PE	PP Injection Valve Pyrex Ball-Viton OR	PP Foot Filter	1,5mt PVC bleed tube

LIQUID ENDS

Component	Standard	Optional
Pump head	PP	PVC / PVDF
Diaphragm	PTFE	
Valve Balls	Pyrex	AISI316 / Ceramic
Injection fittings	PP	
O rings	Viton	Dutral
LIP Valve	Viton	
Ball Valve	Hastelloy / Pyrex	AISI 316

TECHNICAL INFORMATION

Code	Lt/h	ML/Pulse	Bar	Maximum Pulse/Min	Stroke	Watt	Tube
E04CA1202300	2	0,21	12	160	0,9	50	4x6 mm
E04CA1103300	3	0,31	11	160	0,9	50	4x6 mm
E04CA0905300	5	0,52	9	160	0,9	50	4x6 mm
E04CA0806300	6	0,62	8	160	1,1	50	4x6 mm
E04CA0508300	8	0,83	5	160	1,1	50	4x6 mm
E04CA0410300	10	1,04	4	160	1,3	50	4x6 mm
E04CA0215300	15	1,56	2	160	1,3	50	4x6 mm
E04CA0117300	17	1,77	1	160	1,3	50	4x6 mm

Optional: • Other Flow-Rates on request

PACKAGE (cm / Kg)



KG

Pump: 15 x 23 x 28	3,50
Multipack (6 Psz): 50 x 25 x 57	21

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Technical Datasheet

APPLICATIONS

- Chemical industries
- Medical industries
- Laboratories and analysis
- Water Treatment
- Drinking Water
- Disinfection
- Swimming pools
- Reverse Osmosis

NOTES

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PRODUCT SPECIFICATIONS



ME1-C

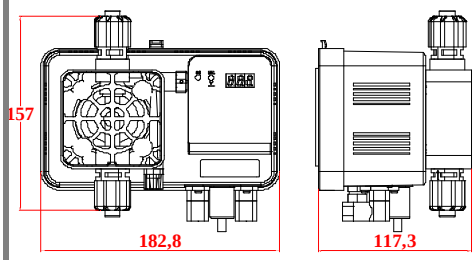
Constant Digital Electromagnetic PumpWith Adjustable Flowrate

- Solenoid Constant Digital pump
- Easy installation and minimal maintenance
- Frequency regulation from 0 to 180 pulsations per minute
- ON / OFF function
- 3 x 7 Segments digital display, Stand-by button and 5 State leds
- Pump head with manual bleed for pressure priming
- PP CASE and HEAD reinforced 30% talk
- IP 65 protection
- Sicurity and reliability
- Policarbonate front panel
- Wall mounting with stirrup
- 2,5 mt power supply cable
- Accessories Kit with ball injection valve, hastelloy spring

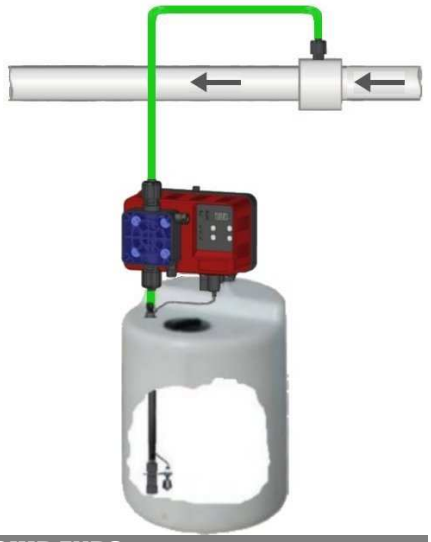
Optional:

- *Prearrangement for low level switch sensor*
- *Self Degassing Pump Head*
- *Other Flow-Rates (different from the standard indicated below) on request*
- *PVDF Pump Head*

PUMP VIEW (mm)



INSTALLATION EXAMPLE



INSTALLATION KIT



Mounting Bracket+ Screws	Suction Tube 2mt PVC	Inj.Tube 2mt PE	PP Injection Valve Pyrex Ball-Viton OR	PP Foot Filter	1,5mt PVC bleed tube

LIQUID ENDS

Component	Standard	Optional
Pump head	PP	PVC / PVDF
Diaphragm	PTFE	
Valve Balls	Pyrex	AISI316 / Ceramic
Injection fittings	PP	
O rings	Viton	Dutral
LIP Valve	Viton	
Ball Valve	Hastelloy / Pyrex	AISI 316

TECHNICAL INFORMATION

Code	Lt/h	ML/Pulse	Bar	Maximum Pulse/Min	Stroke	Watt	Tube
E01CA1215300	1,5	0,14	12	180	0,9	50	4x6 mm
E01CA1102300	2	0,18	11	180	0,9	50	4x6 mm
E01CA0904300	4	0,37	9	180	0,9	50	4x6 mm
E01CA0805300	5	0,46	8	180	1,1	50	4x6 mm
E01CA0507300	7	0,65	5	180	1,1	50	4x6 mm
E01CA0408300	8	0,74	4	180	1,3	50	4x6 mm
E01CA0210300	10	0,92	2	180	1,3	50	4x6 mm
E01CA0515300	15	1,39	0,5	180	1,3	50	4x6 mm

PACKAGE (cm / Kg)



KG

Pump: 15 x 23 x 28	3,50
Multipack (6 Psz): 50 x 25 x 57	21

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Technical Datasheet

APPLICATIONS

- Chemical industries
- Medical industries
- Laboratories and analysis
- Water Treatment
- Drinking Water
- Disinfection
- Swimming pools
- Reverse Osmosis

NOTES

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PRODUCT SPECIFICATIONS



ME1-i

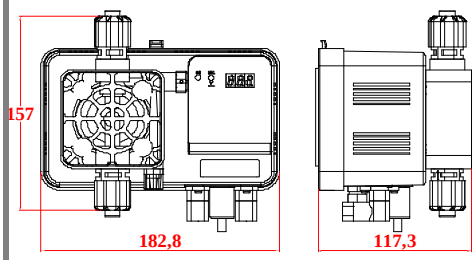
Proportional to Impulses Electromagnetic Digital Dosing Pump

- Solenoid digital pump, proportional to the external (tension free) impulses number received
- Easy installation and minimal maintenance
- Can also work as constant digital pump with pulsation adjustment 0-180
- Function of impulses division and multiply (1xN, 1/n)
- Function of multiplication with memory (1xN-M)
- 3 x 7 Segments digital display, Stand-by button and 5 State leds
- Pump head with manual bleed for pressure priming
- PP CASE and HEAD reinforced 30% talk
- IP 65 protection
- Sicurity and reliability
- Policarbonate front panel
- Wall mounting with stirrup
- 2,5 mt power supply cable
- Accessories Kit with ball injection valve, hastelloy spring

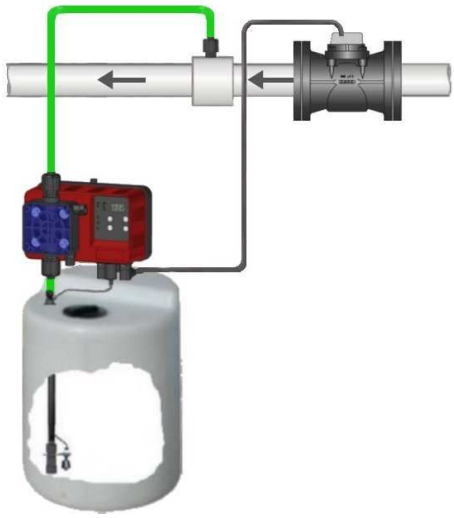
Optional:

- *Prearrangement for low level switch sensor*
- *Self Degassing Pump Head*
- *Impulse percentage control function*
- *Other Flow-Rates (different than the standard ones indicated below) on request*
- *PVDF Pump Head*

PUMP VIEW (mm)



INSTALLATION EXAMPLE



INSTALLATION KIT



Mounting Bracket+ Screws	Suction Tube 2mt PVC	Inj.Tube 2mt PE	PP Injection Valve Pyrex Ball-Viton OR	PP Foot Filter	1,5mt PVC bleed tube

LIQUID ENDS

Component	Standard	Optional
Pump head	PP	PVC / PVDF
Diaphragm	PTFE	
Valve Balls	Pyrex	AISI316 / Ceramic
Injection fittings	PP	
O rings	Viton	Dutral
LIP Valve	Viton	
Ball Valve	Hastelloy / Pyrex	AISI 316

TECHNICAL INFORMATION

Code	Lt/h	ML/Pulse	Bar	Maximum Pulse/Min	Stroke	Watt	Tube
E02CA1215300	1,5	0,14	12	180	0,9	50	4x6 mm
E02CA1102300	2	0,18	11	180	0,9	50	4x6 mm
E02CA0904300	4	0,37	9	180	0,9	50	4x6 mm
E02CA0805300	5	0,46	8	180	1,1	50	4x6 mm
E02CA0507300	7	0,65	5	180	1,1	50	4x6 mm
E02CA0408300	8	0,74	4	180	1,3	50	4x6 mm
E02CA0210300	10	0,92	2	180	1,3	50	4x6 mm
E02CA0515300	15	1,39	0,5	180	1,3	50	4x6 mm

PACKAGE (cm / Kg)

A L B C	KG
Pump: 15 x 23 x 28	3,50
Multipack (6 Psz): 50 x 25 x 57	21

APPLICATIONS

- Chemical industries
- Medical industries
- Laboratories and analysis
- Water Treatment
- Drinking Water
- Disinfection
- Swimming pools
- Reverse Osmosis

NOTES

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PRODUCT SPECIFICATIONS



ME1-mA

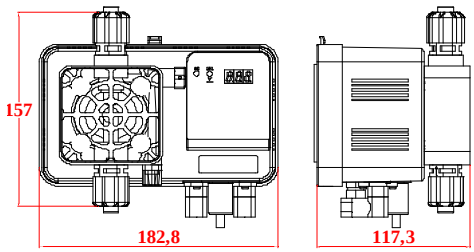
Proportional to External mA Signal Electromagnetic Digital Dosing Pump

- Solenoid digital pump proportional to an electric 0 - 20 / 4 - 20 mA signal
- Programmable electric input magnitude, direct and inverse combined with an n" pump requested impulses.
- Easy installation and minimal maintenance
- Can also work as constant digital pump with pulsation adjustment 0-180
- 3 x 7 Segments digital display, Stand-by button and 5 State leds
- Pump head with manual bleed for pressure priming
- PP CASE and HEAD reinforced 30% talk
- IP 65 protection
- Sicurity and reliability
- Policarbonate front panel
- Wall mounting with stirrup
- 2,5 mt power supply cable
- Accessories Kit with ball injection valve, hastelloy spring

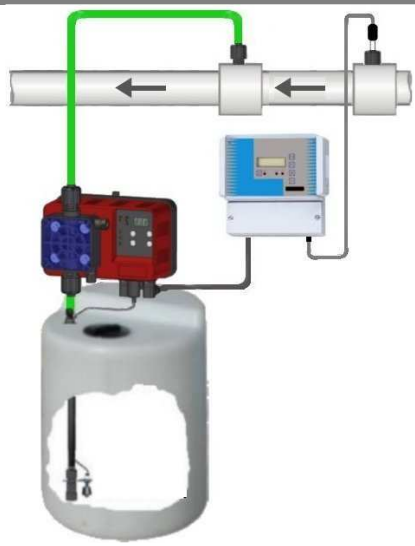
Optional:

- *Prearrangement for low level switch sensor*
- *Self Degassing Pump Head*
- *Other Flow-Rates (Different than Standard indicated below) on request*
- *PVDF Pump Head*

PUMP VIEW (mm)



INSTALLATION EXAMPLE



INSTALLATION KIT



Mounting Bracket+ Screws	Suction Tube 2mt PVC	Inj.Tube 2mt PE	PP Injection Valve Pyrex Ball-Viton OR	PP Foot Filter	1,5mt PVC bleed tube

LIQUID ENDS

Component	Standard	Optional
Pump head	PP	PVC / PVDF
Diaphragm	PTFE	
Valve Balls	Pyrex	AISI316 / Ceramic
Injection fittings	PP	
O rings	Viton	Dutral
LIP Valve	Viton	
Ball Valve	Hastelloy / Pyrex	AISI 316

TECHNICAL INFORMATION

Code	Lt/h	ML/Pulse	Bar	Maximum Pulse/Min	Stroke	Watt	Tube
E03CA1215300	1,5	0,14	12	180	0,9	50	4x6 mm
E03CA1102300	2	0,18	11	180	0,9	50	4x6 mm
E03CA0904300	4	0,37	9	180	0,9	50	4x6 mm
E03CA0805300	5	0,46	8	180	1,1	50	4x6 mm
E03CA0507300	7	0,65	5	180	1,1	50	4x6 mm
E03CA0408300	8	0,74	4	180	1,3	50	4x6 mm
E03CA0210300	10	0,92	2	180	1,3	50	4x6 mm
E03CA0515300	15	1,39	0,5	180	1,3	50	4x6 mm

PACKAGE (cm / Kg)

A B C	KG
Pump: 15 x 23 x 28	3,50
Multipack (6 Psz): 50 x 25 x 57	21

APPLICATIONS

- Chemical industries
- Medical industries
- Laboratories and analysis
- Water Treatment
- Drinking Water
- Disinfection
- Swimming pools
- Reverse Osmosis

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PRODUCT SPECIFICATIONS



GP - GPA

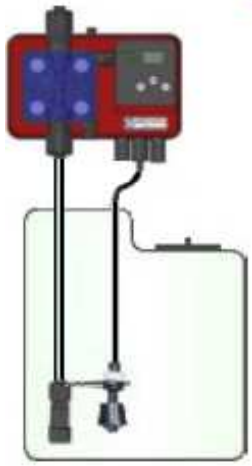
Complete Dosing Systems

GP : *Complete system ready for the pump mounting, composed of a PE Tank,Tank reinforcement for pumps and mixers, vertical pump mounting. Level sensor option upon request.*

GPA : *Complete system ready for the pump and Mixer mounting, composed of a PE Tank,Tank reinforcement for pumps and mixers, vertical pump mounting, fixed suction support .Level sensor option upon request.*

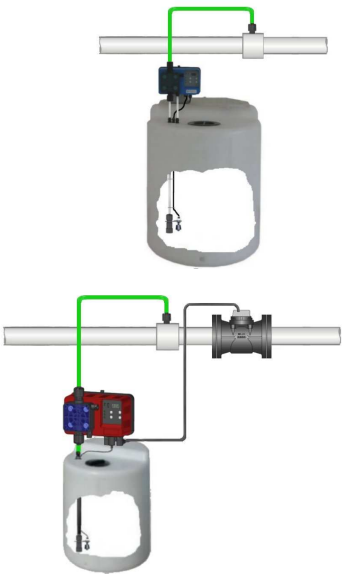
TECHNICAL INFORMATION

MODEL	CODE
GP 100 LT	**11.160.000**
GP 200 LT	11.160.001
GP 300 LT	**11.160.002**
GP 500 LT	11.160.003
GP 100 LT + LEV.	**11.160.500**
GP 200 LT + LEV.	11.160.501
GP 300 LT + LEV.	**11.160.502**
GP 500 LT + LEV.	11.160.503
GPA 100 LT + LANCIA ASP.	**11.165.000**
GPA 200 LT + LANCIA ASP.	11.165.001
GPA 300 LT + LANCIA ASP.	**11.165.002**
GPA 500 LT + LANCIA ASP.	11.165.003
GPA 100 LT + LANCIA ASP.+LEV	**11.165.500**
GPA 200 LT + LANCIA ASP.+LEV	11.165.501
GPA 300 LT + LANCIA ASP.+LEV	**11.165.502**
GPA 500 LT + LANCIA ASP.+LEV	11.165.503



PUMP TO USE IN THE SYSTEM

PUMP TO ADD	L/h-Bar	CODE
 **ME1-C** **(Constant Pump with a digitally adjustable flow)**	**1,5-12**	**E01CA1215300**
	02-11	E01CA1102300
	04-09	**E01CA0904300**
	05-08	E01CA0805300
	07-05	**E01CA0507300**
	08-04	E01CA0408300
	10-02	**E01CA0210300**
	15-0,5	E01CA0515300
 **ME1-i** **(Digital Pump, Proportional to watermeter impulses)**	**1,5-12**	**E02CA1215300**
	02-11	E02CA1102300
	04-09	**E02CA0904300**
	05-08	E02CA0805300
	07-05	**E02CA0507300**
	08-04	E02CA0408300
	10-02	**E02CA0210300**
	15-0,5	E02CA0515300



AGITATOR TO USE IN THE GPA SYSTEM



MOD	CM	RPM* (*Electric Models)	S-Mix CODE	T-Mix CODE	M-Mix CODE
PVC SHAFT	**60**	**70**	**11.044.000**	**11.044.008**	**11.044.600**
	60	1400	11.044.300	11.044.304	
	70	**70**	**11.044.001**	**11.044.009**	**11.044.601**
	70	**1400**	**11.044.301**	**11.044.305**	
	80	**70**	**11.044.002**	**11.044.010**	**11.044.602**
	90	70	11.044.003	11.044.011	11.044.603
AISI SHAFT	**60**	**70**	**11.044.004**	**11.044.012**	
	60	1400	11.044.302	11.044.306	
	70	**70**	**11.044.005**	**11.044.013**	
	70	**1400**	**11.044.303**	**11.044.307**	
	80	**70**	**11.044.006**	**11.044.014**	
	90	70	11.044.007	11.044.015	

WATERMETER TO USE IN THE SYSTEM





THREADED MODEL	DN	ATTACCHI FETTINGS	CODE
COLD WATER	**15**	**1/2"**	**11.041.000**
	20	3/4"	11.041.001
	25	**1"**	**11.041.002**
	30	1"1/4	11.041.003
	40	**1"1/2**	**11.041.004**
	50	2"	11.041.005
	50	**2" FLANG**	**11.041.006**
HOT WATER	15	1/2"	11.041.050
	20	**3/4"**	**11.041.051**
	25	1"	11.041.052
	30	**1"1/4**	**11.041.053**
	40	1"1/2	11.041.054
	50	**2"**	**11.041.055**
	50	2" FLANG	11.041.056

FLANGED MODEL	DN	ATTACCHI FETTINGS	CODE
WOLTMANN COLD WATER	**50**	**2"**	**11.041.500**
	65	2"1/2	11.041.501
	80	**3"**	**11.041.502**
	100	4"	11.041.503
	125	**5"**	**11.041.504**
	150	6"	11.041.505
	200	**8"**	**11.041.506**
WOLTMANN HOT WATER	50	2"	11.041.550
	65	**2"1/2**	**11.041.551**
	80	3"	11.041.552
	100	**4"**	**11.041.553**

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APPLICATIONS

- **Water Treatment**
- **Chemical Industry**
- **Swimming pools**
- **Medical industries**
- **Laboratories and analysis**
- **Detergency**

NOTES

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- **Produced conform to CE laws**