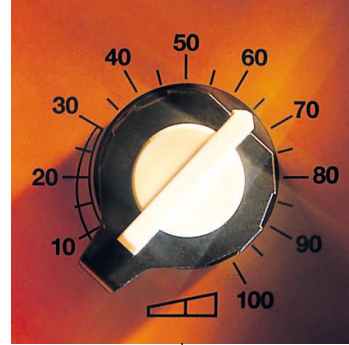


LESS IS SOMETIMES MORE...

BETA® FROM PROMINENT. INGENUOUSLY SIMPLE, SIMPLY GENIUS.





SUCCESS COURSE





ProMinent®

BETA® FROM PROMINENT - OR: CONCENTRATING ON THE BASICS.

 Beta® is our new concept for a generation of microprocessor-controlled solenoid dosing pumps designed to give the highest levels of operating safety, for use anywhere in the world.

 Few operating elements, and the "traffic light" system, an internationally comprehensible optical operating conditions display, greatly simplify both operation and function monitoring.

 Robust housings contain equally robust, state of the art, internal working parts with a long and reliable operating life, making the Beta® pump operationally safe - even under the most difficult working conditions.

 An optimised modular system based on a small number of interacting elements means that equipment and component storage is kept to a minimum, thereby making Beta® pumps ideally suited to commercial applications.





The electronically controlled solenoid diaphragm pumps in the Beta® range give the green light to even more efficient operation, and wider commercial applications.

The Beta® was designed for flexibility and

number of interchangeable, interacting component modules - 2 sizes of drive and 8 dosing heads - maximises their potential application range, while actual parts are kept to the minimum. Beta®'s operating state is ascertain-

unnecessary dosing process occurs if a cable is disconnected from the power supply. An in-built cable recognition system therefore activates this function only when the control cable is connected. There are no function

GREEN LIGHT

economy across a wide gamut of applications. Their modular construction, based upon a small



Two sizes of drive for all fluid dosing applications

able at a glance: the green LED indicates that the plant is ready to operate. Yellow indicates the chemical is running low and red indicates either a lack of chemical or an operational error. The installation of a dual setting level switch is the only requirement of this "traffic light" display mode. Operation is manually controlled via the multifunction knob on the front of the pump. Alternatively, it can be controlled by external contact, volt free ON/OFF and external frequency changing.

These functions work on the principle that no

plugs required.

Beta® is a safe choice for water treatment, as for many other processes in the industry. Robust housing, virtually maintenance free operation, and a version which maintains constant feed rates under a range of voltages from 90 and 253 V, means that this is a highly versatile pump which can be used anywhere in the world.



Constant feed rate - even in fluctuating operating currents

HEADING FOR PERFECTION: INNOVATION LEADS TO PRECISION.



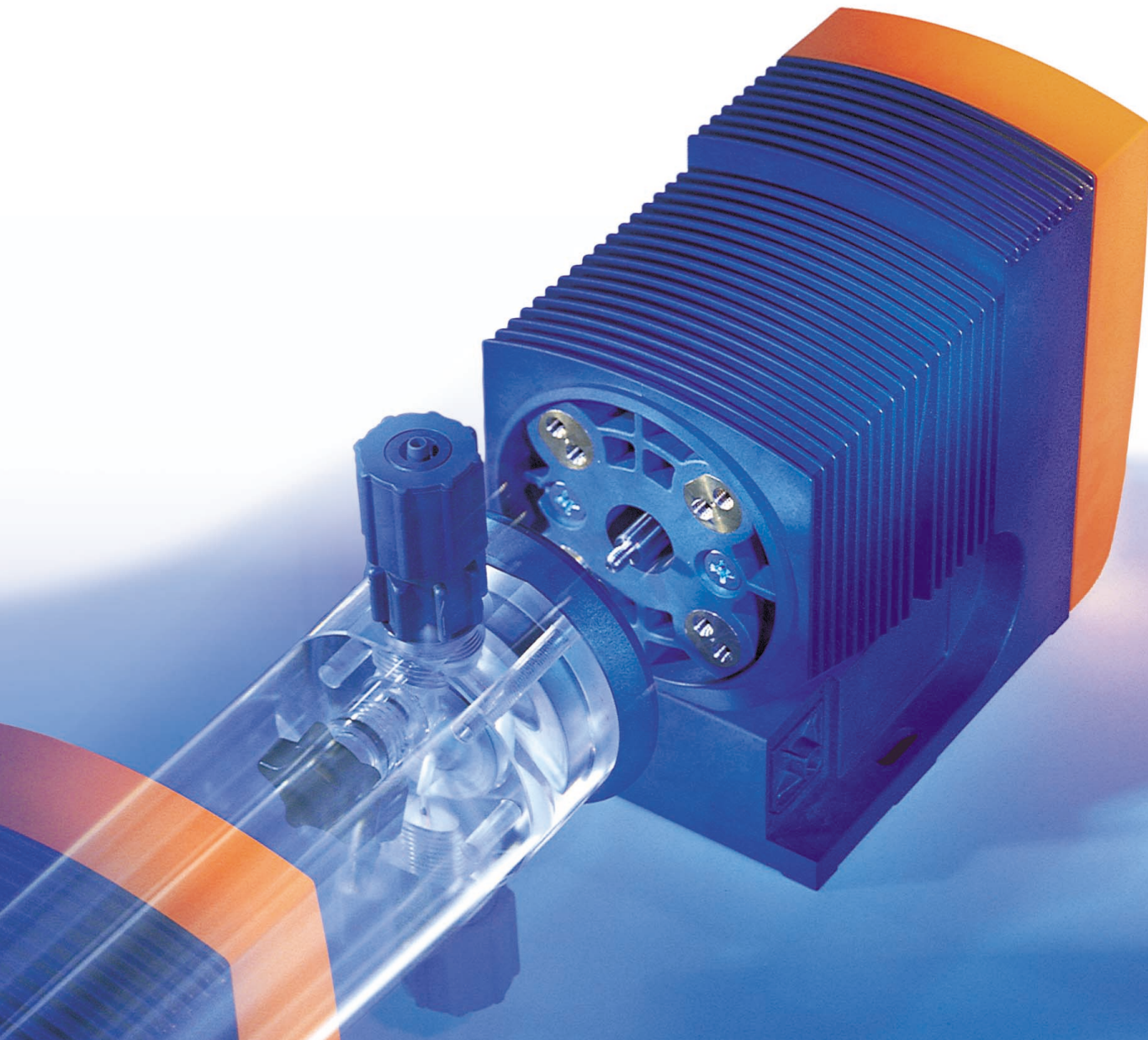
Accurate, reproducible metering is set by precise adjustment of the dosing frequency. Feed capacity can be adjusted within a ratio of 10:1 by varying stroke lengths.



Improved drive tolerates wide fluctuations in operating current, which has no effect on feed capacity. The dual setting level switch is a unique safety feature.



New dosing heads provide an improved hydraulic flow characteristic: there is no drop in the pressure of the chemical inside the head. Depending on requirements, a choice of materials is available for different dosing fluids.





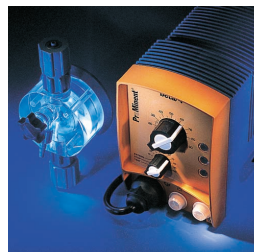
With the innovations and improvements it offers to dosing technology, our Beta® range can make the highest claims for precision and performance. Electronically controlled dosing frequency and additional stroke length

cal mixing is ensured even at high stroke frequencies. A longer stroke length enables accurate dosing of gaseous chemicals in plants incorporating ProMinent's self bleeding dosing head. The new dosing heads include

without bleed valves. For the pump itself, you can naturally depend upon the quality that is expected from ProMinent. The housings are made of impact resistant, glass fibre reinforced PPE plastic and carry IP 65

A CLEAR AIM

adjustment within a ratio of 10:1 produce accurate and reproducible dosing. At the same time, chemi-



Modular construction techniques offer excellent cost of ownership ratio


cal improved hydraulics, improved valve functions and optimised geometry within the head. Choose between our patented permanent bleed dosing heads in PP, Plexiglas/PVC and PVC to carry out practically any dosing task. Self bleeding versions are available in PP and Plexiglas/PVC. PTFE and stainless steel versions are designed


protection. Convincing performance is not always reflected in the price. The cost of ownership ratio of the Beta® range is as persuasive in its initial cost as during its period of operation. Reduced storage time: the result of modular construction techniques, and a long lasting, reliable, low maintenance operating life also help to keep your costs down.




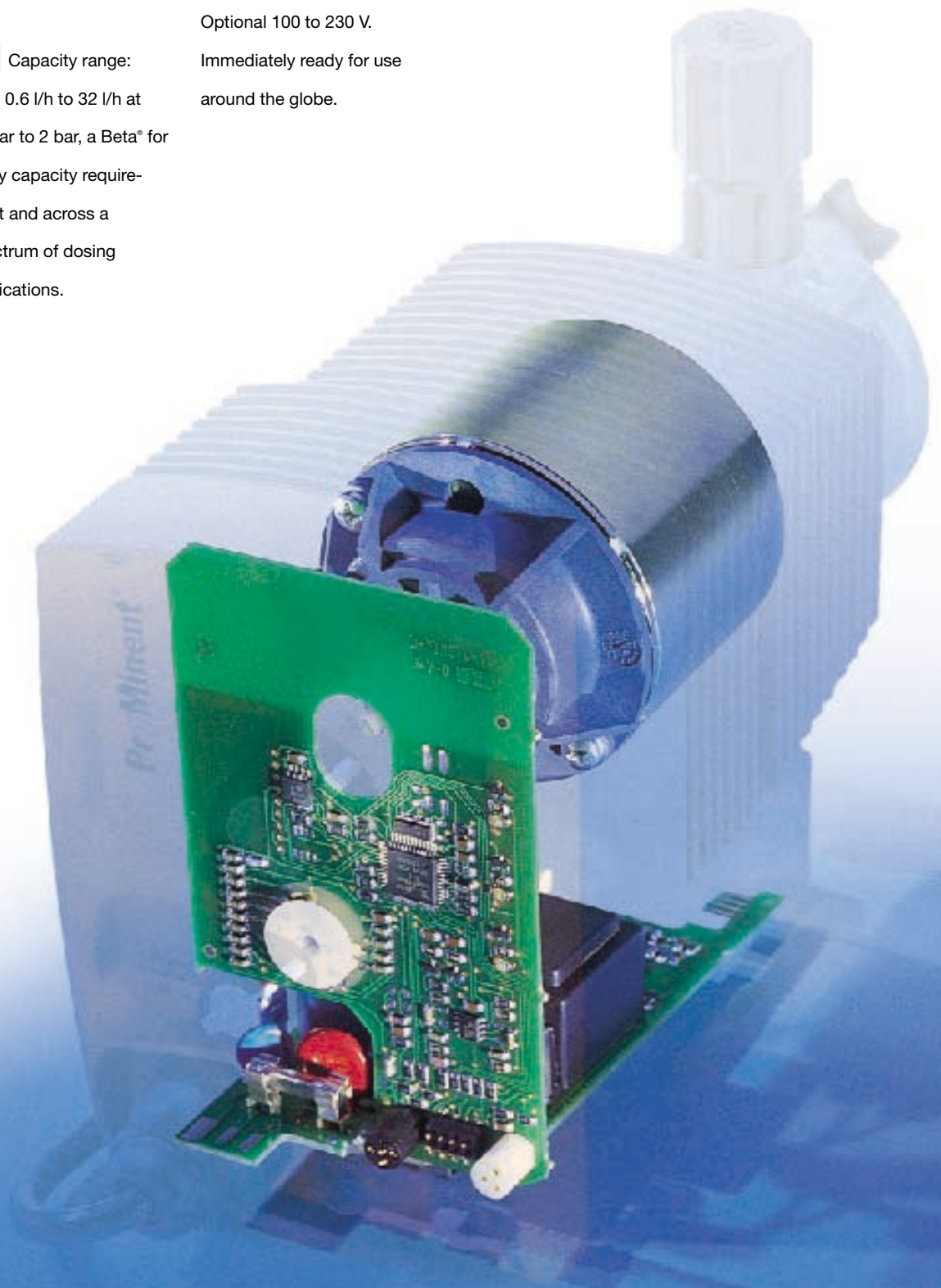
Economically and ecologically optimised dosing throughout a long and reliable operating life

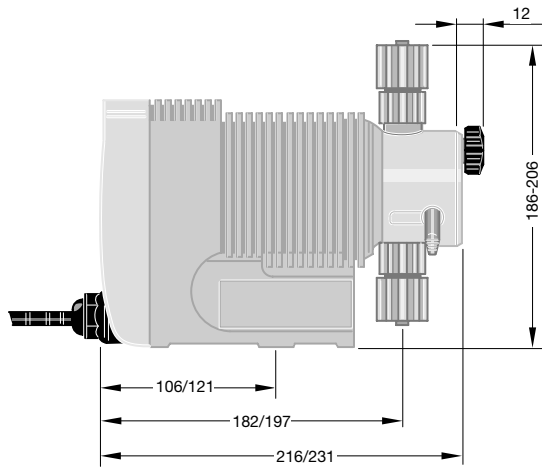
BETA® TECHNOLOGY – FACTS AND FIGURES.

 Capacity range:
from 0.6 l/h to 32 l/h at
16 bar to 2 bar, a Beta® for
every capacity require-
ment and across a
spectrum of dosing
applications.

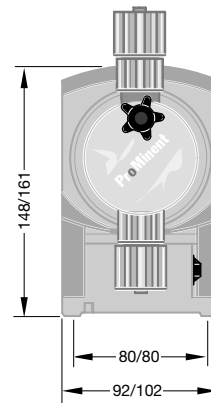
 Operating voltage:
200-230 V or 100-115 V.
Optional 100 to 230 V.
Immediately ready for use
around the globe.

 Electronic pressure
control: total protection
against excess pressure
in dosing pipes.

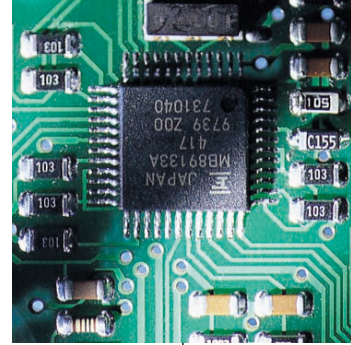




Dimensions: BT4/BT5



Dimensions: BT4/BT5



INBUILT VALUE

The “inbuilt value” of the Beta® range is particularly ensured by the use of microprocessor-technology: today’s guarantee of

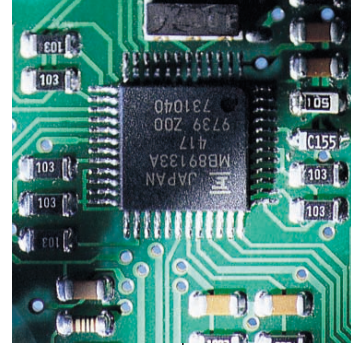
processing precision and safety. Beta® lacks nothing on the mechanical side, however, and its improved valves, diaphragms and

optimised flow ratio mean that beta’s inner value is more than matched by its external performance. Two ranges for different

capacities and applications are available. The most relevant data is summarised in the table below.

Type Beta®	Pump capacity at maximum back pressure			Pump capacity at average back pressure			Stroke frequency strokes/min.	Connector dimensions o Ø x i Ø mm	Suction lift* mWG	Delivery weight PP, NP, PC, TT-SS approx. kg
	bar	l/h	ml/stroke	bar	l/h	ml/stroke				
BT4a 1000	10	0.74	0.07	5	0.82	0.08	180	6/4	5	2.9 – 3.6
BT4a 1601	16	1.1	0.10	8	1.4	0.13	180	6/4	5	2.9 – 3.6
BT4a 1602	16	2.1	0.19	8	2.5	0.24	180	6/4	5	2.9 – 3.6
BT4a 1005	10	4.4	0.41	5	5.0	0.46	180	8/5	5	3.1 – 3.9
BT4a 0708	7	7.1	0.66	3.5	8.4	0.78	180	8/5	3	3.1 – 3.9
BT4a 0413	4	12.3	1.14	2	14.2	1.31	180	8/5	2	3.1 – 3.9
BT4a 0220	2	19.0	1.76	1	20.9	1.94	180	12/9	2	3.3 – 4.4
BT5a 1605	16	4.1	0.38	8	4.9	0.45	180	8/5	4	4.5 – 5.3
BT5a 1008	10	6.8	0.63	5	8.3	0.76	180	8/5	3	4.5 – 5.3
BT5a 0713	7	11.0	1.02	3.5	13.1	1.21	180	8/5	3	4.5 – 5.3
BT5a 0420	4	17.1	1.58	2	19.1	1.77	180	12/9	3	4.7 – 5.8
BT5a 0232	2	32.0	2.96	1	36.2	3.35	180	12/9	2	5.1 – 6.6

* Suction lift when dosing head and suction pipe are full.



LUE

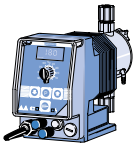
capacities and applicat-
ions are available. The
most relevant data is
summarised in the table
below.

Connector dimensions o Ø x i Ø mm	Suction lift* mWG	Delivery weight PP, NP, PC, TT-SS approx. kg
6/4	5	2.9 – 3.6
6/4	5	2.9 – 3.6
6/4	5	2.9 – 3.6
8/5	5	3.1 – 3.9
8/5	3	3.1 – 3.9
8/5	2	3.1 – 3.9
12/9	2	3.3 – 4.4
8/5	4	4.5 – 5.3
8/5	3	4.5 – 5.3
8/5	3	4.5 – 5.3
12/9	3	4.7 – 5.8
12/9	2	5.1 – 6.6

**SERIAL SUCCESS:
PROMINENT® SOLENOID-DRIVEN
DIAPHRAGM DOSING PUMPS**



**ProMinent®
mikro g/5**
Capacity range:
up to 40 bar,
up to 1500 ml/h

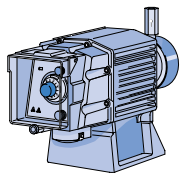
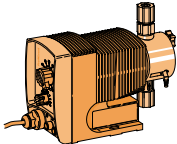


**ProMinent®
Pneumados**
Capacity range:
up to 16 bar,
up to 15 l/h

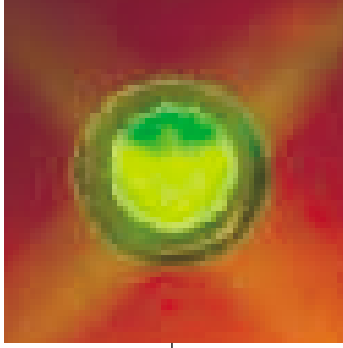


**ProMinent®
gamma/ L**
Capacity range:
up to 16 bar,
up to 32 l/h

**ProMinent®
Beta®**
Capacity range:
up to 16 bar,
up to 32 l/h



**ProMinent
EXtronic®**
Capacity range:
up to 25 bar,
up to 60 l/h



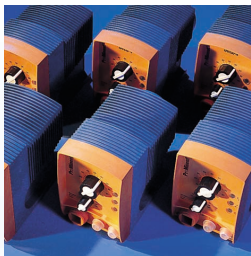
**ON EVERY CONTINENT PROMINENT IS THERE WHEN YOU NEED IT.
OUR SERVICE AROUND THE GLOBE.**

Not a Beta® "component", but a highlight which you'll certainly learn about when you install our pumps in our world wide service. At all times, on every continent, ProMinent®'s product range and service department is there when

If ever things aren't working as they should, we can supply replacement parts to you within a very short period. You can carry on without disruption either to industry or business. You see, you can rely on ProMinent®,

HIGHLIGHTS

Experience, expertise and ProMinent, service: the decisive advantages of the new Beta® pump series



you need it. We will be pleased to offer our expert advice to help you choose the products you need, and pass on our expertise to help you use our plant to its fullest capacity.

our service and our new Beta® pump series. All round performance, easy to operate, state of the art dosing technology, excellent cost of ownership ratio - is there any choice other than Beta®?!

Addresses and delivery information may be obtained from the manufacturer:

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