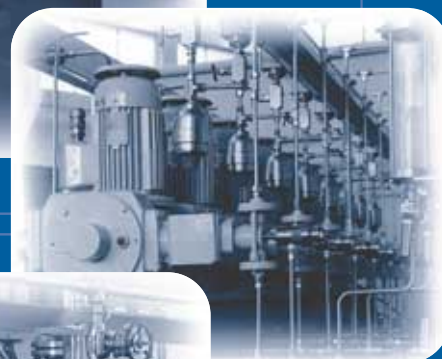


100 YEARS

METERING PUMPS



OFFICINE MECCANICHE GALLARATESI S.p.A.



Officine Meccaniche Gallaratesi, established in 1907, has been manufacturing positive displacement pumps for almost 100 years.

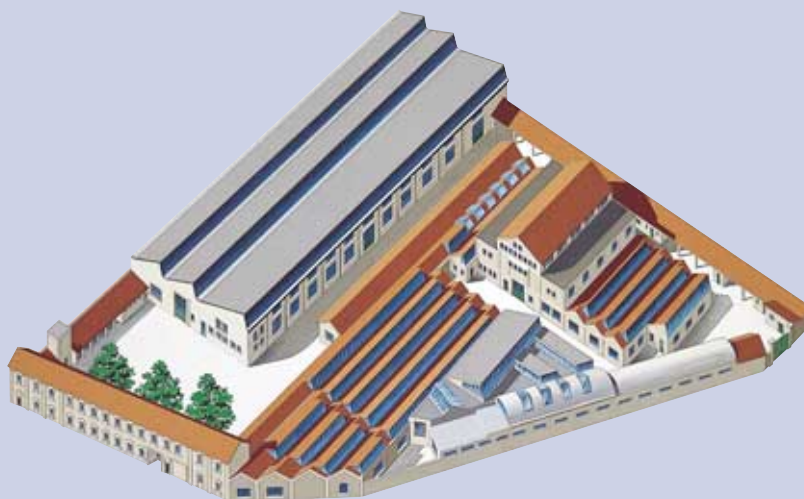
The company is highly specialized in design and production of reciprocating plunger and diaphragm metering pumps as well as complete package units including O.M.G. pumps. In its field of activity, O.M.G. has always given priority to reliable solutions, in order to satisfy the most demanding requirements of advanced industrial users and engineering companies.

The result of this choice is that today O.M.G. can be ranked among the best known and technologically advanced

companies in the market.

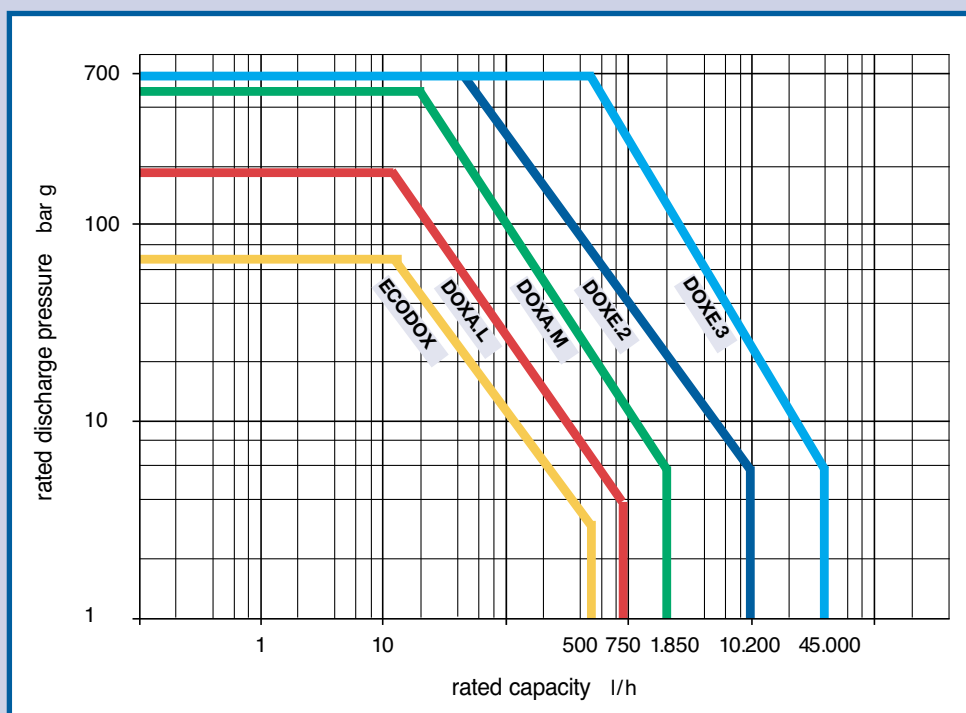
In addition to its complete range of API 675 controlled volume pumps, OMG has been supplying for more than 30 years complete dosing packages to all major international contractors and engineering companies, against the most demanding specifications.

Unlike other pump manufacturers, OMG has chosen to retain all design and construction activities in-house, maintaining a higher level of quality control and greater manufacturing flexibility. This enables OMG to develop customized tailor-made applications meeting all specific dosing requirements.

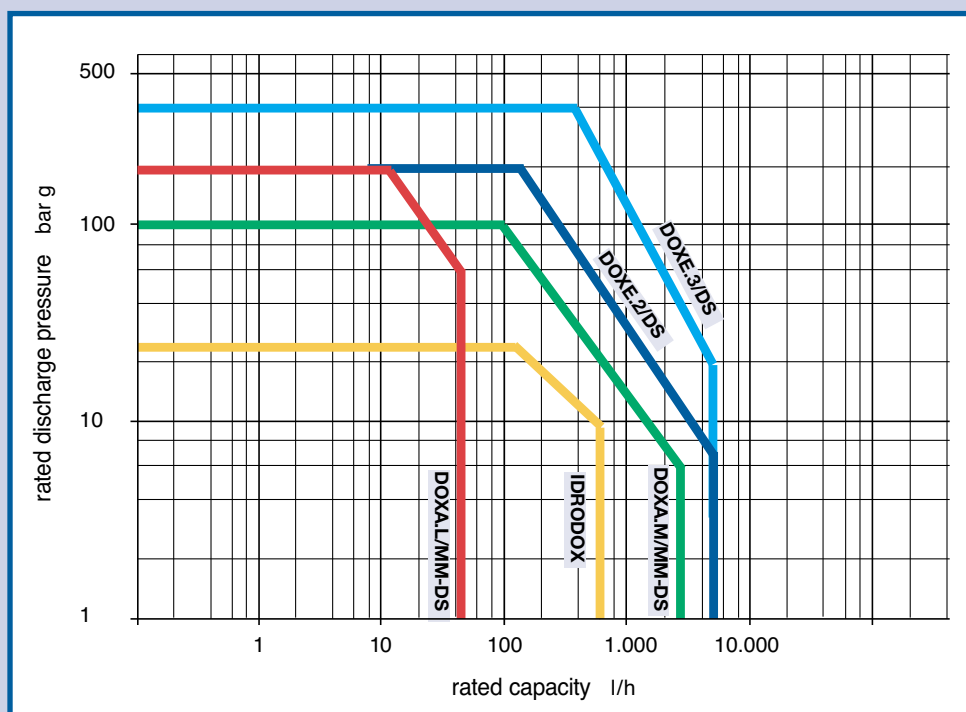




plunger pumps



double diaphragm pumps

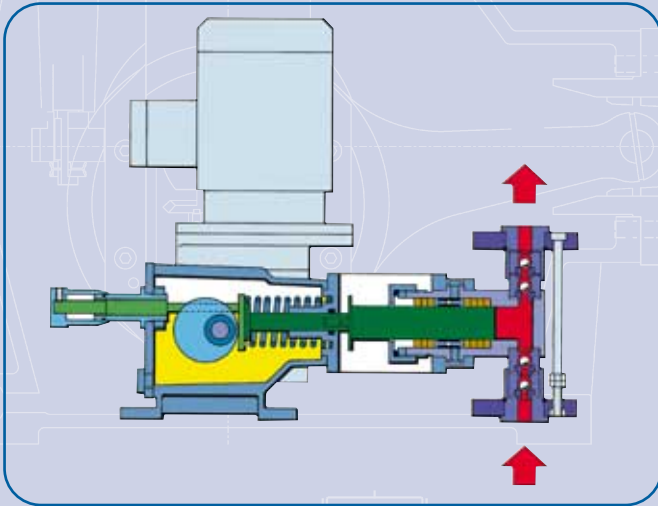


these diagrams give a general overview of available pumps and their performance range and can be used to select the model suitable for your application; for a more accurate selection and in case of particular process requirements, we recommend that you contact either OMG sales offices or your local OMG representative

ECODOX - plunger type



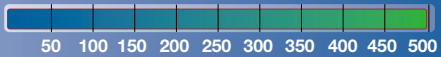
API 675, metering plunger pumps designed for water treatment and low-cost applications, for safe and cost-effective service together with maximum reliability and easy maintenance



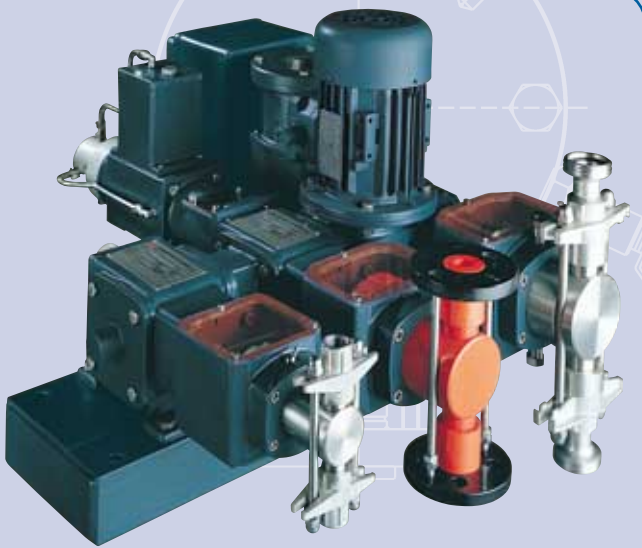
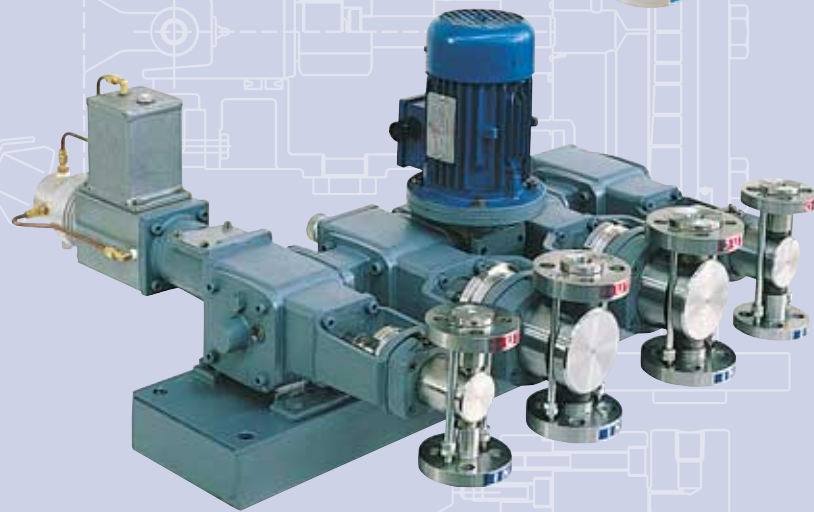
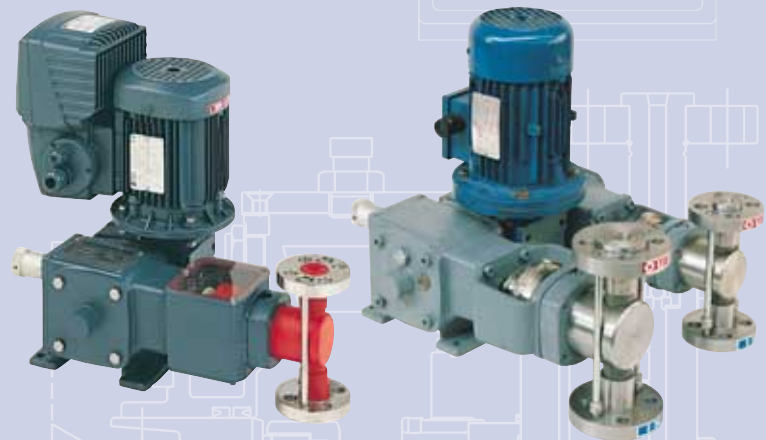
pressure bar



flowrate l/h



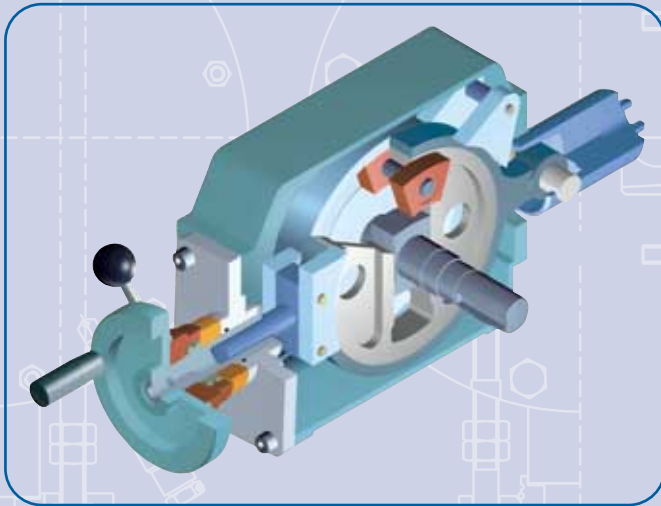
- continuous capacity control, from 0 to 100%, adjustable with pump at rest or in operation
- metering accuracy better than 1% over the normal operating range of 10 to 100% of capacity
- groupable in multiplex units
- cam and thrust plate drive system, with spring return
- maximum allowable plunger thrust = 1.500 N
- worm gear reducer separated from the crank mechanism
- crankcase made of aluminum alloy and completely enclosed
- pump body made of metal or plastic materials
- manual or automatic stroke control, with pump at rest or in operation; linear adjustment scale with precision vernier



DOXA - plunger and double diaphragm type



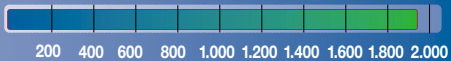
API 675 plunger and double diaphragm metering process pumps, designed to assure the greatest reliability in heavy duties



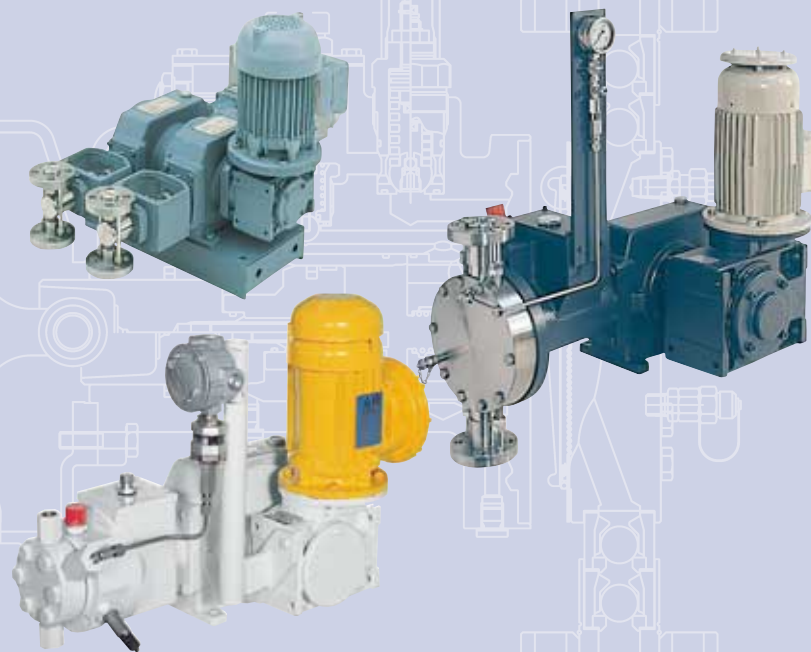
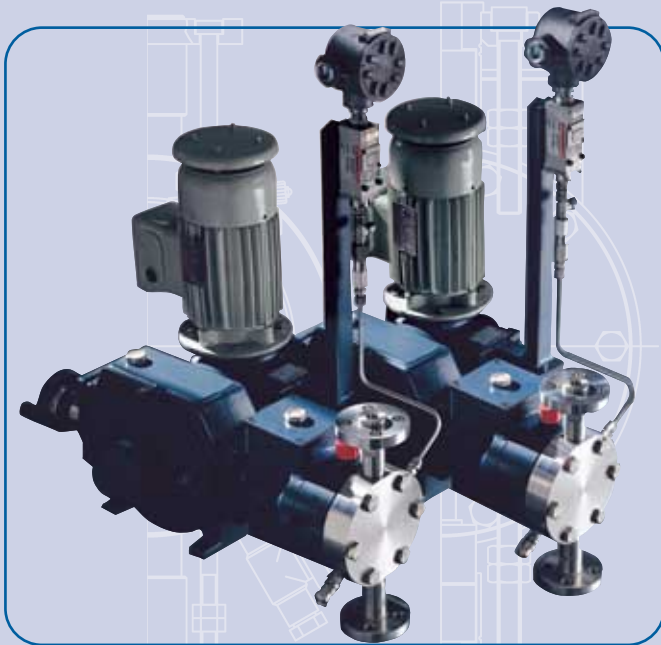
pressure bar



flowrate l/h



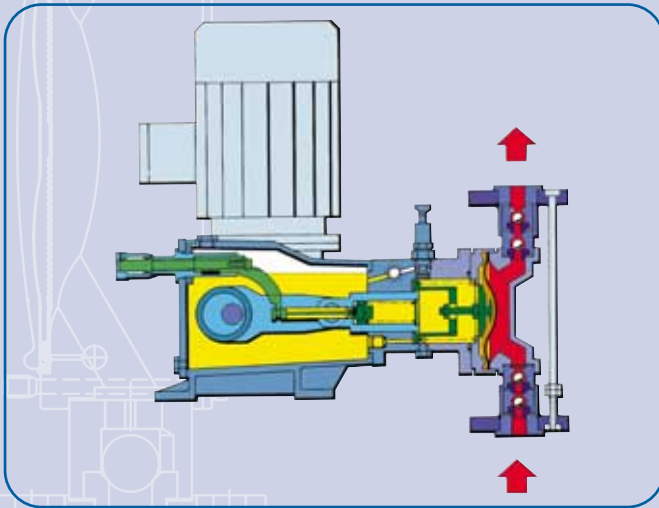
- manufactured according to API 675 Std; "non lost-motion" type construction
- continuous adjustment of capacity, from 0 to 100% while the pump is at rest or running
- metering accuracy better than 1% within the normal operating range of 10÷100% of rated capacity
- patented capacity adjustment system, with mechanical plunger return stroke
- crankcase made of cast iron and completely enclosed
- two series available:
 - DOXA.L, max. allowable thrust: 2.000 N (design 2.500 N)
 - DOXA.M, max. allowable thrust: 7.000 N (design 9.000 N)
- double diaphragms sandwich type arrangement available; diaphragms are hydraulically actuated, by means of an hydraulic circuit with relief and replenishment valves
- PTFE or metal diaphragms, with facility for local or remote diaphragm leakage detectors - two types of diaphragm liquid ends are available:
 - type DS - double diaphragm sandwich type, i.e. with an oil film between the diaphragms
 - type MM - metal double diaphragm, sandwich type, mainly used for small capacity and high pressure or temperature
- manual or automatic stroke control, with pump idle or operating; linear adjustment scale with local reading display



IDRODOX - double diaphragm type



API 675, versatile, precise and noiseless, high efficiency and double diaphragm type metering pumps with intermediate hydraulic control circuit, characterized by their structural simplicity and easy maintenance

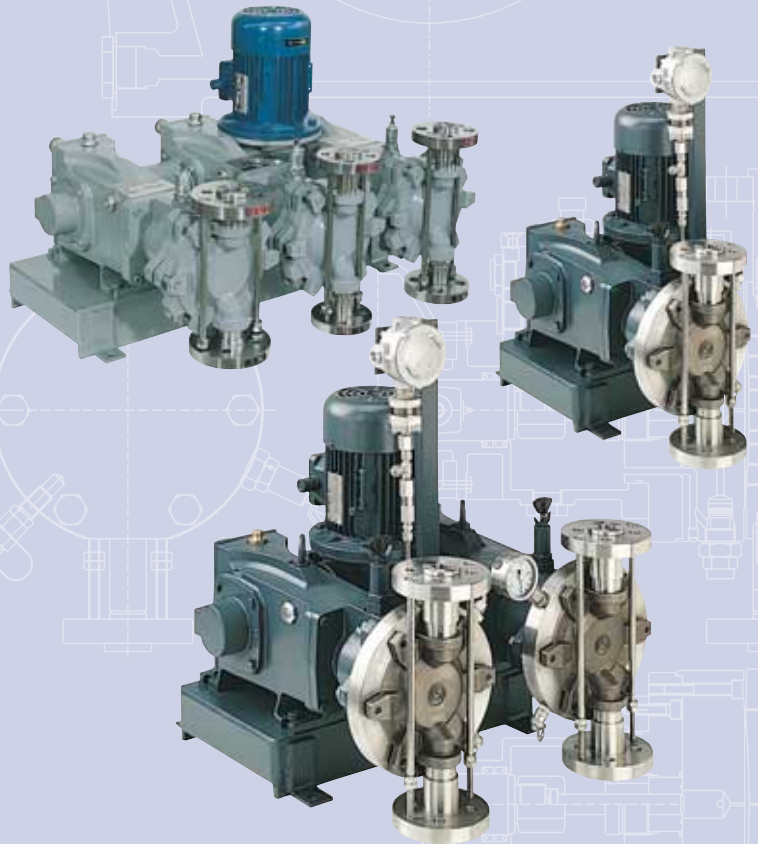


- four models with capacity ranging from 20 to 600 l/h, with pressure ranging from 10 to 25 barg
- continuous capacity adjustment, from 0 to 100%, with pump idle or operating
- groupable in multiplex units
- patented capacity adjustment system, with fixed stroke and connecting rod-cam system; mechanical piston return stroke and capacity control by flow bypass
- maximum allowable thrust 3.200 N
- relief valve easily accessible for routine maintenance and setting
- double diaphragms, sandwich type, with an intermediate oil film
- facility for fitting an alarm probe, an alarm switch or pressure gauge to detect diaphragms rupture
- pump body made of metal or plastic; diaphragms made of PTFE
- worm-gear reducer, separate from the crank mechanism
- continuous stroke adjustment, manual or automatic, with pump idle or operating, linear adjustment scale, with local reading display

pressure bar



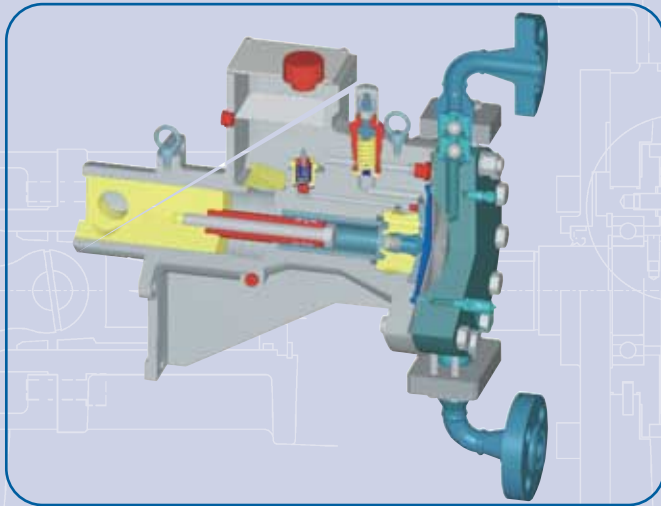
flowrate l/h



DOXE - plunger and double diaphragm type



API 675, heavy duty process metering pumps, plunger and double diaphragm type, for large capacity and high pressure

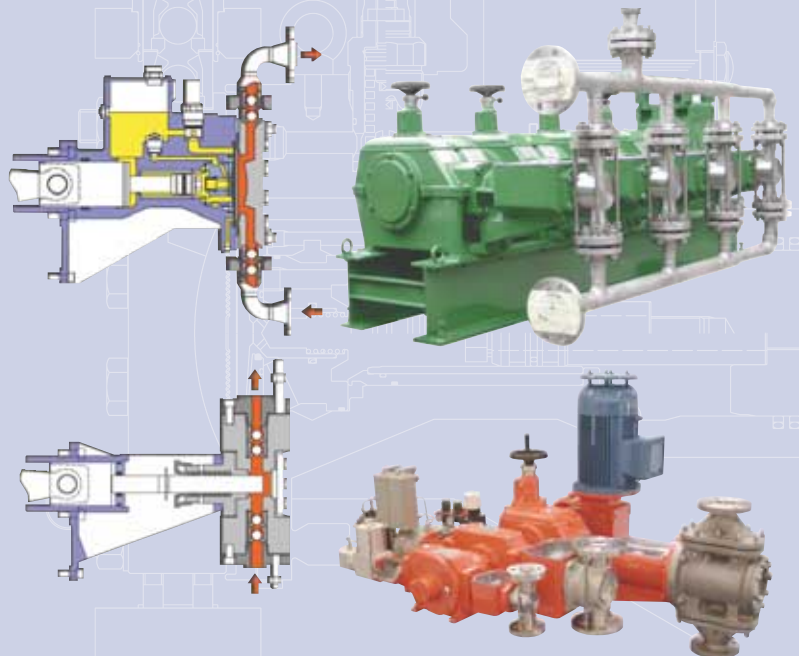
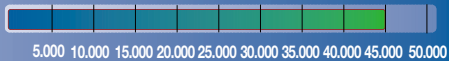


- continuous capacity control from 0 to 100%, adjustable with pump at rest or in operation
- metering accuracy better than 1% throughout the normal operating range of 10-100% of capacity
- groupable in multiplex units
- capacity adjustment system, differential type, with satellite and planetary gear system, with mechanical return stroke
- can be coupled to a wide range of different separate gear reducers
- crankcase made of cast iron and completely enclosed
- available in two series:
 - DOXE-2 with max. allowable plunger thrust 10.000 N
 - DOXE-3 with max. allowable plunger thrust 30.000 N
- plunger type execution available either in single acting or double acting arrangement, covering an extremely large capacity/discharge pressure range
- double diaphragm type liquid end available; diaphragms sandwich type arrangement, with an intermediate oil film and with facility for fitting an alarm probe
- pump body made of metal or plastic; diaphragms made of PTFE
- continuous stroke adjustment, manual or automatic, with pump idle or operating, from 0 to 100% of rated capacity - linear adjustment scale, with local reading display

pressure bar



flowrate l/h





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