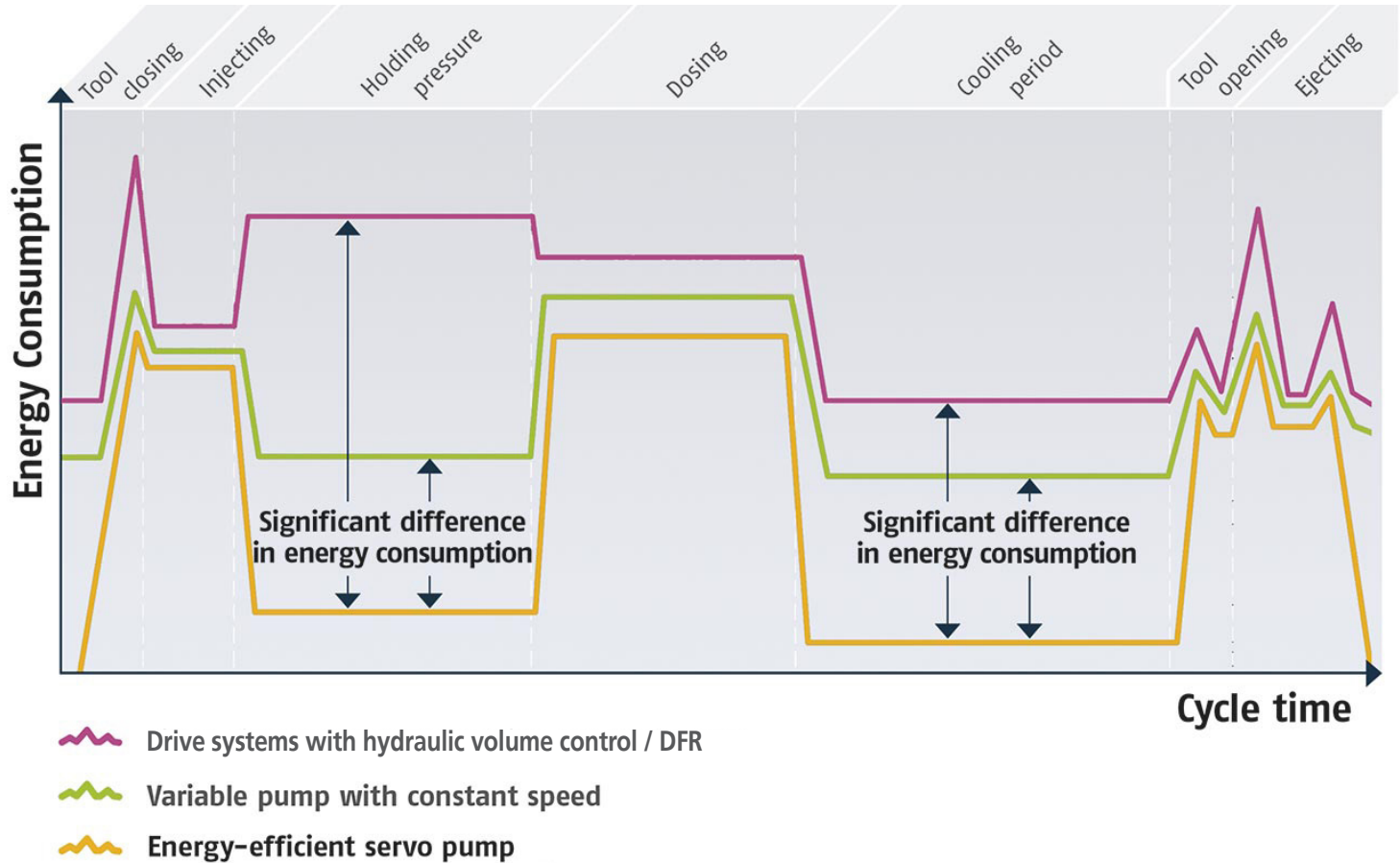
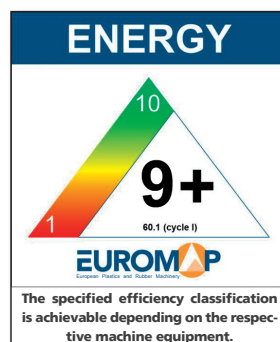


Drive advantages of the E-series with servo hydraulics



The graphic above, taken from the BOY-Baumüller-Webinar on servo-drive-technology, illustrates the advantages of BOY's E-series-drive-technology. The highest energy savings in each injection moulding cycle are achieved when **holding pressure** and in the **cooling phase**.

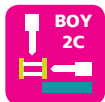
This savings potential is proven by top marks in the **energy classification according to EUROMAP 60.1**.



Expressed in real numerical values, a **BOY 100 E** with classification **9+** requires an energy demand of only **< 0.31 kWh** per kilogram of plastic material processed.



Servo-Drive



Multi Component



Technology



Procan ALPHA®



Productivity




Circular Economy



BOY - Handling

Continuation

The following chart shows the classification values of some injection moulding machines from the product programme with the respective assigned energy consumption.

	BOY 60 E / BOY 100 E	BOY 80 E / BOY 125 E	BOY 25 E 35 E / 50 E
EM-Classification	9+	8+	7+
Energy consumption (in kWh / kg)	≤ 0,31	≤ 0,39	≤ 0,49

Note:

With the EUROMAP - classification of **10+** (< 0.25 kWh / kg), the assigned energy consumption is below the physically required energy demand for melting the plastic (enthalpy). Thus, **10+** is unachievable.

"For more than 3 decades we have been using BOY injection moulding machines.

We were so impressed with our first BOY E-Series machine that we immediately ordered more machines of this E-Series machines.

The low energy consumption, the high precision, the quietness and the reduction of cycle times exceeded all our expectations."



Dipl. Ing. Michael Greive
Greive GmbH & Co. KG
Ottmarsbocholt
www.greive.de



Ulrike Steiner
CENA Kunststoff GmbH
Battenberg
www.cena.de

"We take every possible cost-saving opportunity in our production. The constantly increasing energy and raw material costs force us to use the most efficient machines and technologies.

The BOY E-Series machines precisely meet our expectations. The energy consumption has been reduced by 50%. This fact further confirms that the BOY E-Series machines are helping us to head in the right direction."

"Since 1968 we have always favored using BOY injection moulding machines in our production. We have always been impressed with their on-going technical innovations and good service.

We are especially impressed with the BOY E-Series machines with the servo-drive. The energy savings, precision, dynamic flow and quietness of our first E-Series machine was so convincing to us that we have since purchased and added seven additional BOY E-Series machines to our production."



René Weiner
Managing
Partner,
Technical Area
NORWE GmbH
www.norwe.eu

YouTube



Dr. Boy GmbH & Co. KG

Industriegebiet Neustadt / Wied
Neschener Str. 6
53577 Neustadt-Fernthal
Germany

Tel.: +49 (0)2683 307-0

Fax: +49 (0)2683 307-4555

E-Mail: info@dr-boy.de

Internet: www.dr-boy.de