



FDA Compliant  
316 Stainless Steel

## FDA COMPLIANT PUMPS

Yamada FDA compliant pumps are specifically designed for Food, Pharmaceutical & Cosmetic industries where 3A or USDA standards are not required.

Pumps include 316 Stainless Steel wetted components with passivated satin finish, teflon coated air motor, sanitary tri-clamp fittings, and FDA compliant elastomers: Hytrel®, EPDM, PTFE, PTFE coated Aluminum motor for sizes 10, 40, 50 and 80.

PPS motor for sizes 5 and 15.

PPG motor for sizes 20 and 25

Eight sizes from 3/4" to 4" sanitary clamp connections

Flow ranges from 1 - 800 l/min

Air pressures ranging from 1,4 to 7 Bar.

Air motor:

Aluminum Epoxy®-coated DP-10, NDP-40/50/80

Ryton

NDP-5-15

Polypropylene (PPG)

NDP-20/25

Finish

Interior mechanical polish available on most models. Consult Yamada

**Note:**

FDA Series pumps are constructed with oversized sanitary ports.

## ELECTRICAL CONTROLLED SERIES DM(B)(X)

Accurate flow control and measurement options. Less parts and extended life expectancy of moving parts including diaphragms. Low pressure movement (from 0,7Bar) is possible in some cases. Unmatched start stop reliability, remote monitoring and control. Variable pump speed control. And many more.

Yamada's range of electrical controlled pumps with direct mounted 5/3 solenoid valves 24V DC are specially designed for process applications which require metering, batching or variable of constant flow control. These pumps offer extreme operation reliability, parts life time and a perfect balanced energy consumption. They are well suited to intense process applications. All DM(B)(X) pumps are operated through a locally positioned or remote PLC device (sold separately) and are available beside standard also as ATEX (X) approved in combination with the conductive pump materials such as metals, Kynar (PVDF) or Acetal.

Up till the NDP series 25, Yamada offers standard a DMB motor. The motor is specially prepared for direct mounting of the solenoid valves. The motors of NDP-5, 10 and 15 are made of a conductive plastic, which means they are suitable for an ATEX environment in combination with ATEX coils. For series 20, 23, 25 and 32 Yamada offers an aluminum DMB motor which of course can be protected with the well known high quality PTFE coating Yamada offers.

For series DP-10 and NDP-40, 50 and 80 we use special adaptor plates to mount the 5/3 solenoids, replacing the standard pneumatic valve house.

All pumps can be combined with a sensor for center rod movement detection, stroke or cycle counting, sensor shifting or in extreme situations for calibration. With cycle length calibration a PLC is able to use just a certain percentage of the cycle movement for fine dosing.

For more information, please contact Yamada or your local distributor.



DM(X) Series