



KNF GAS & LIQUID PUMPS

RANGE OF SERIES MODELS –
BUILT-IN PUMPS AND PUMPS FOR
USE IN PROCESSING UNITS

UPDATED MAY 2019



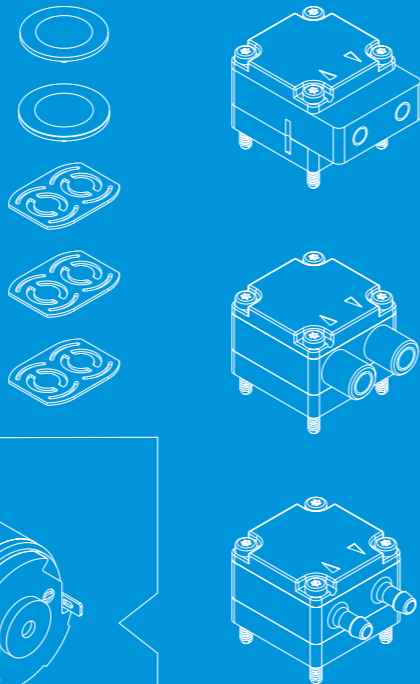
FLEXIBLE, CUSTOM-FIT, COST-EFFECTIVE – FROM STANDARD TO HIGH-END

THE RIGHT SOLUTION FOR YOUR CHALLENGE

MATERIAL OPTIONS

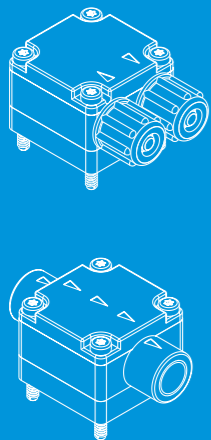
Valve/Diaphragm:
EPDM, FKM, FFKM,
HNBR, stainless steel
and others

Pump head:
PP, PPS, fluoroplastics,
stainless steel, alumi-
num and others



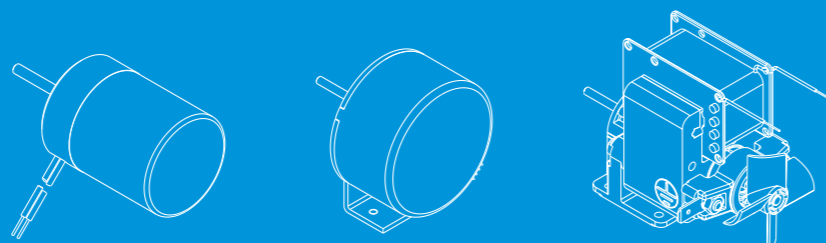
MECHANICAL OPTIONS

Circuit points and connections



MOTOR OPTIONS

All common voltage
configurations are available.
Explosion-proof options
(motor types: DC, DC-B, AC)




KNF provides its customers with extensive advice, reliable service and customized, flexible solutions. Thanks to the KNF modular system, every series model in our range of products can be quickly and easily adapted to suit the specific needs of an application. For example, the materials used to make the pump components that come into contact with the media can be adapted to the medium's characteristics.

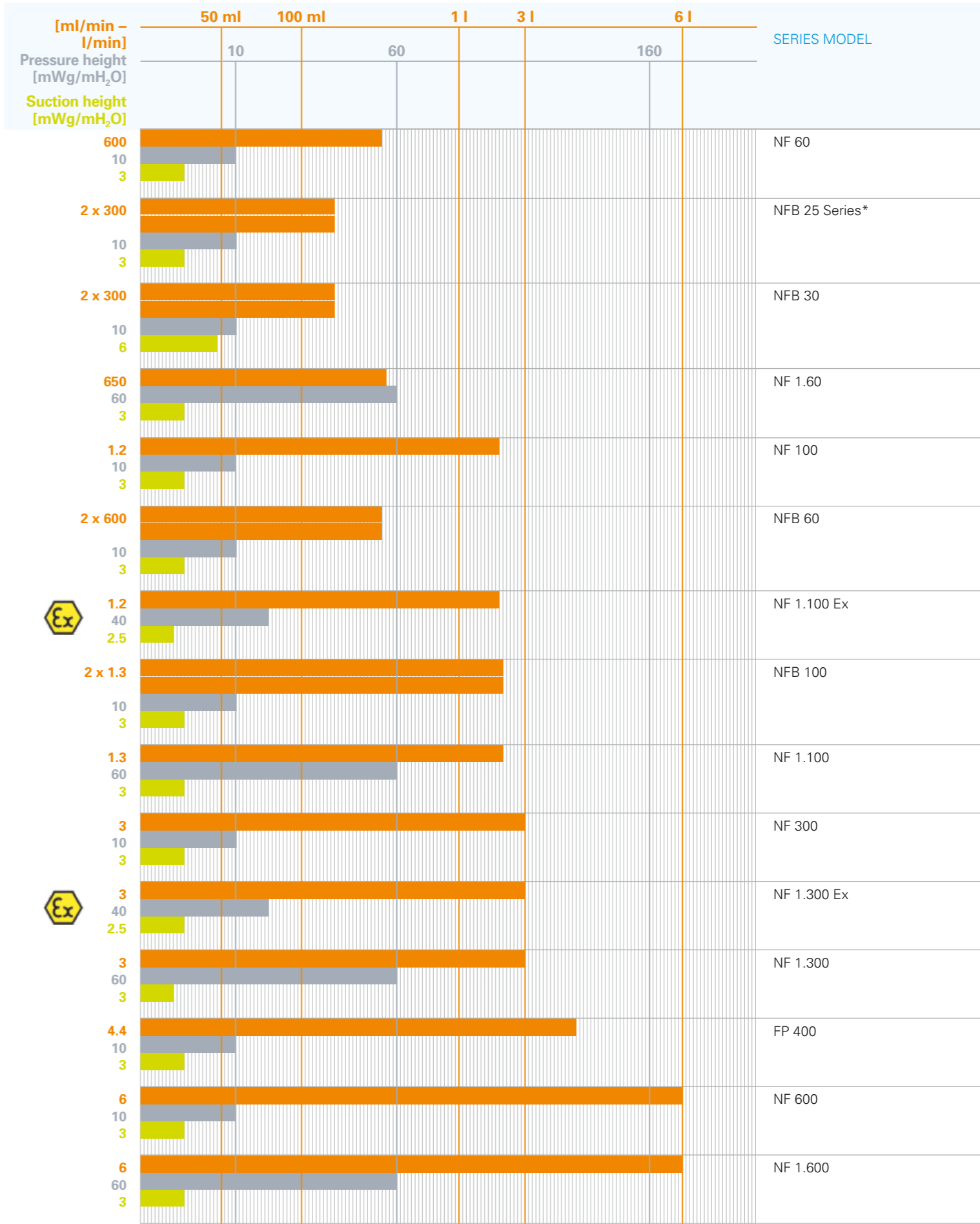
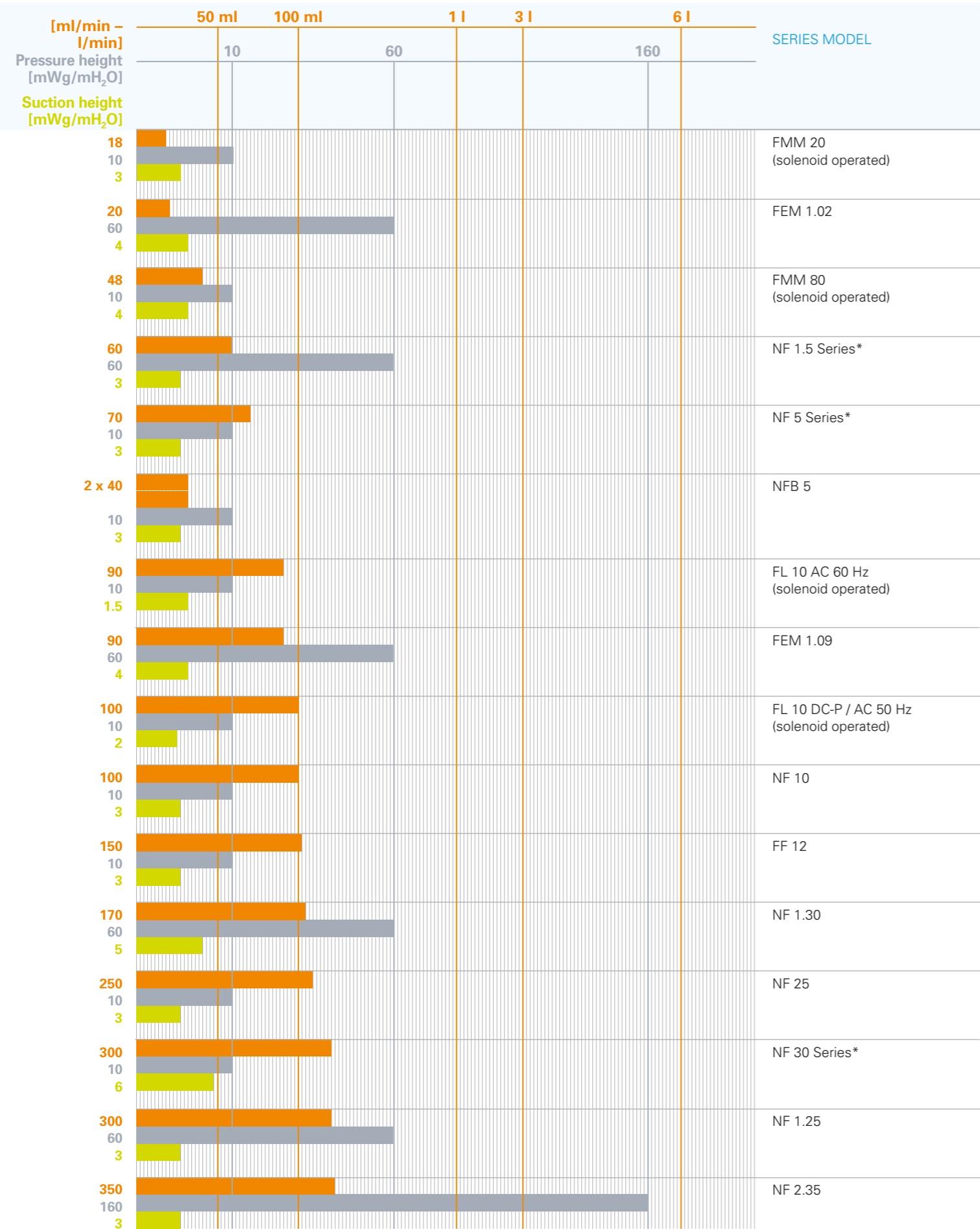
It is equally possible to tailor the motor and electrical connections to customers' precise needs. The KNF modular system's clear advantage is that it provides a variety of production models whose individual components have already been carefully tried and tested.

KNF follows the same approach when designing and manufacturing tailored, user-specific project pumps.

From series models and products adapted using the KNF modular system to project pumps, KNF's flexible production process, which is capable of manufacturing both a high and low number of units, never fails to impress.

- 4 – 6 **LIQUID PUMPS**
Transfer neutral/aggressive/explosive liquids
- 6 **DOUBLE-HEADED LIQUID PUMPS**
Transfer neutral/aggressive liquids
- 7 **DOSING PUMPS**
Meter neutral/aggressive liquids
- 8 **SWING-PISTON PUMPS**
Transfer air
- 9 – 13 **VACUUM PUMPS/COMPRESSORS**
Transfer neutral/slightly aggressive/corrosive gases
- 14 – 15 **VACUUM PUMPS/COMPRESSORS** 
Aggressive/explosive gases
- 16 **DOUBLE DIAPHRAGM PUMPS**
Valuable/hazardous gases
- 18 – 19 **TEMPERATURE-CONTROLLED/
HOT GASES**
up to 240°C
- Pumps with special product characteristics for gases/air:
- 20 **MICRO PUMPS**
Extremely compact with a low operating current
- 21 **LOW ULTIMATE VACUUM**
- 22 – 23 **HIGH-PERFORMING & COMPACT**
- 24 – 25 **PTFE/FFPM**
Diaphragm/valve material combination for transferring slightly aggressive gases
- 26 – 28 **COMPRESSORS**
With/without ATEX approval
- 30 – 31 KNF's strength: flexible support from start to finish

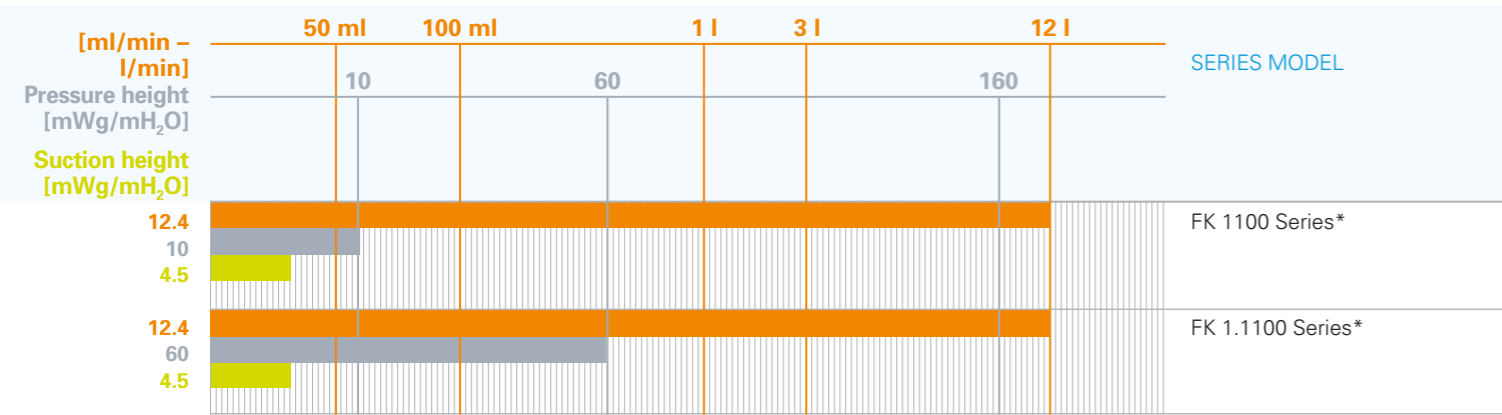
Diaphragm liquid pumps for neutral/aggressive media and potentially explosive atmospheres



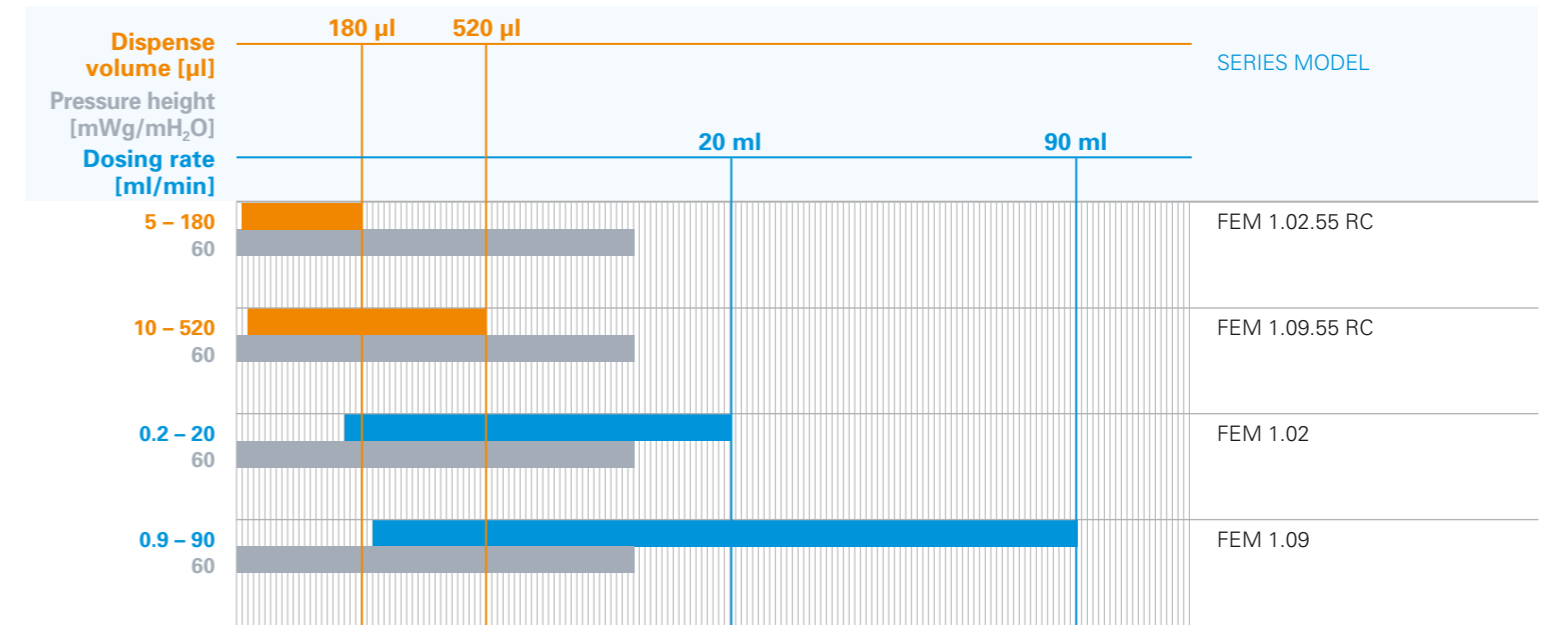
LIQUID PUMPS

*Each series contains multiple designs with different performance values. The maximum value is given in each case for the sake of simplicity.

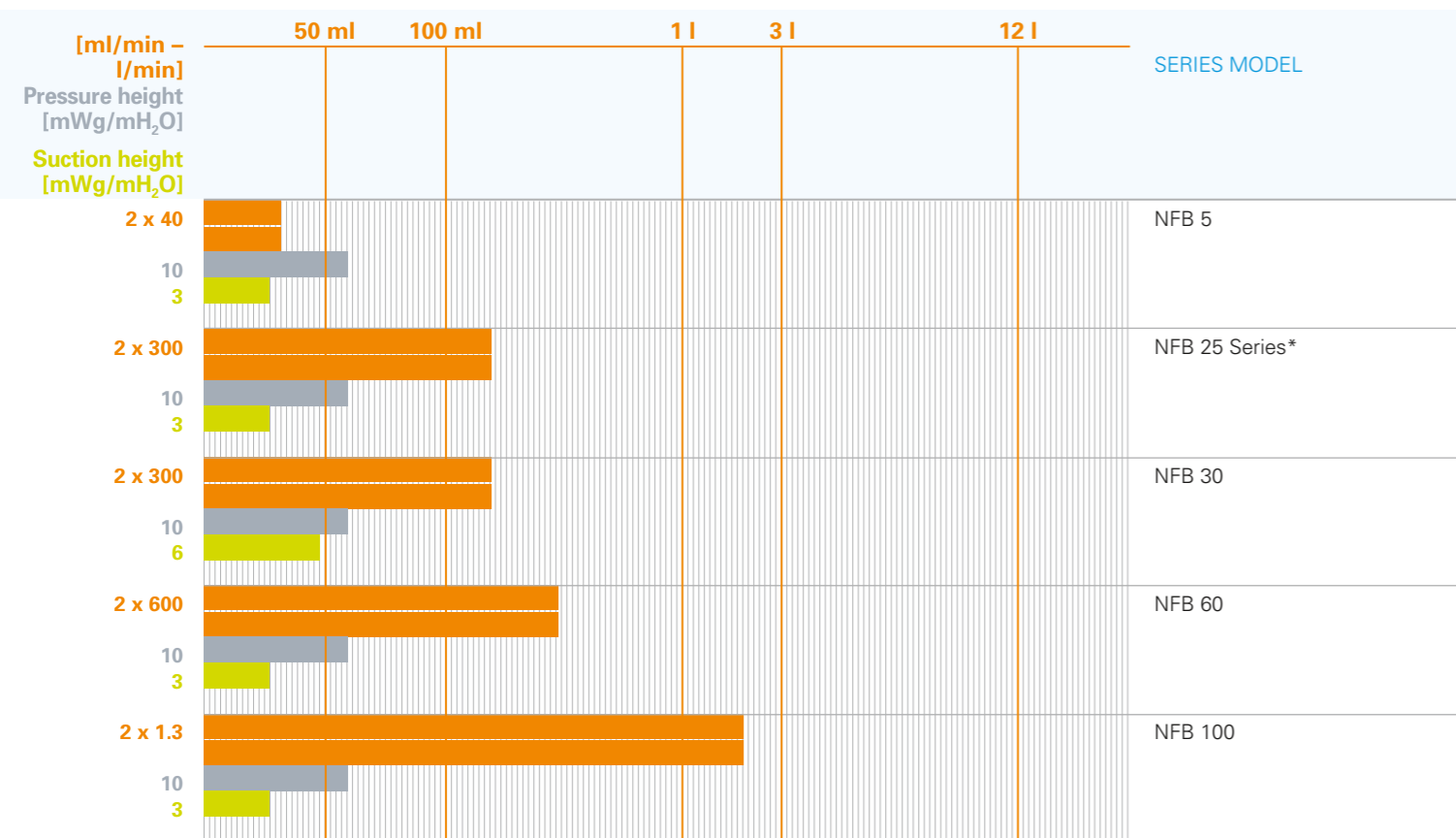
Diaphragm liquid pumps for neutral/aggressive media and potentially explosive atmospheres



Diaphragm dosing pumps for neutral/aggressive media

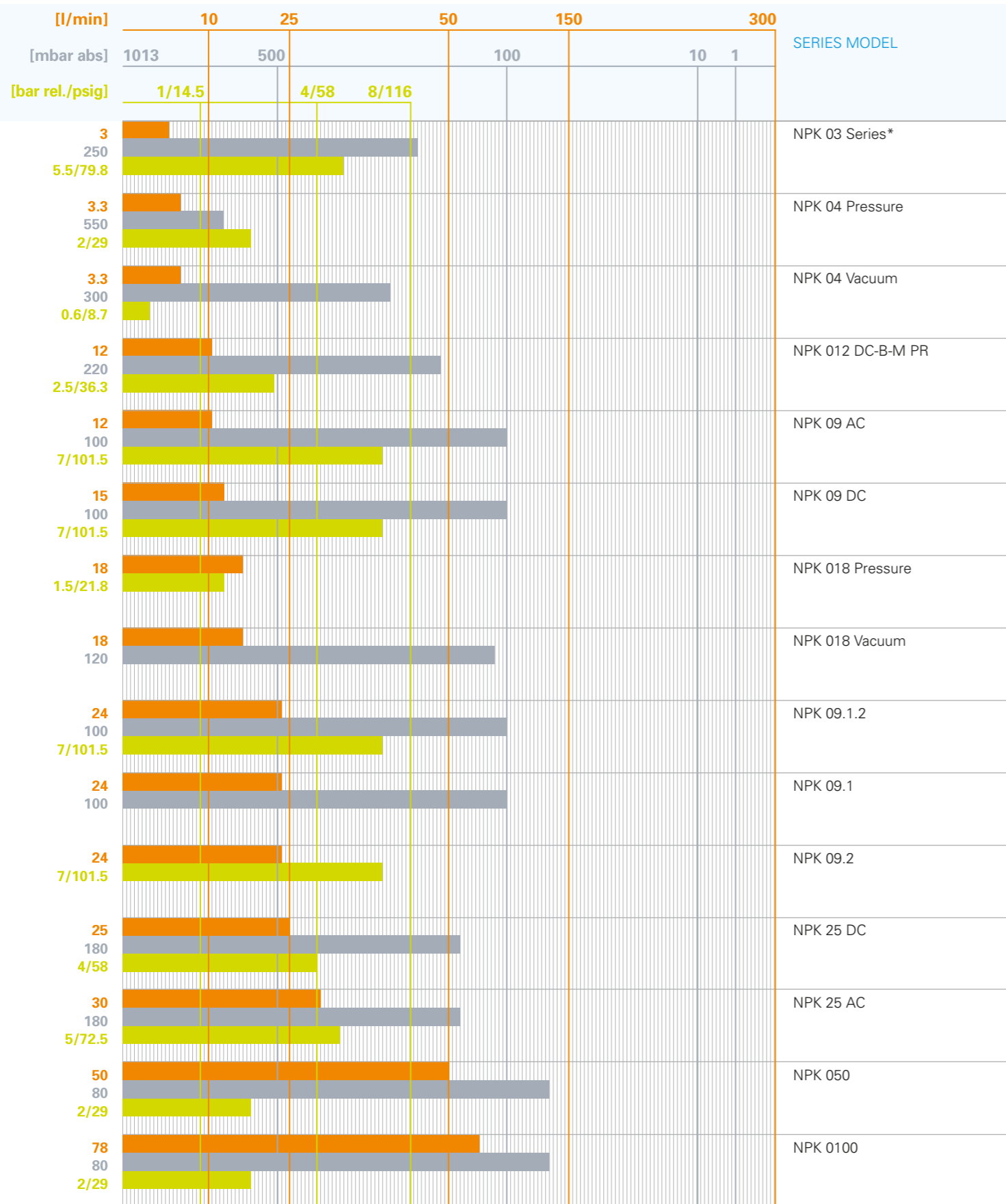


Diaphragm liquid pumps for neutral/aggressive media - double-headed -

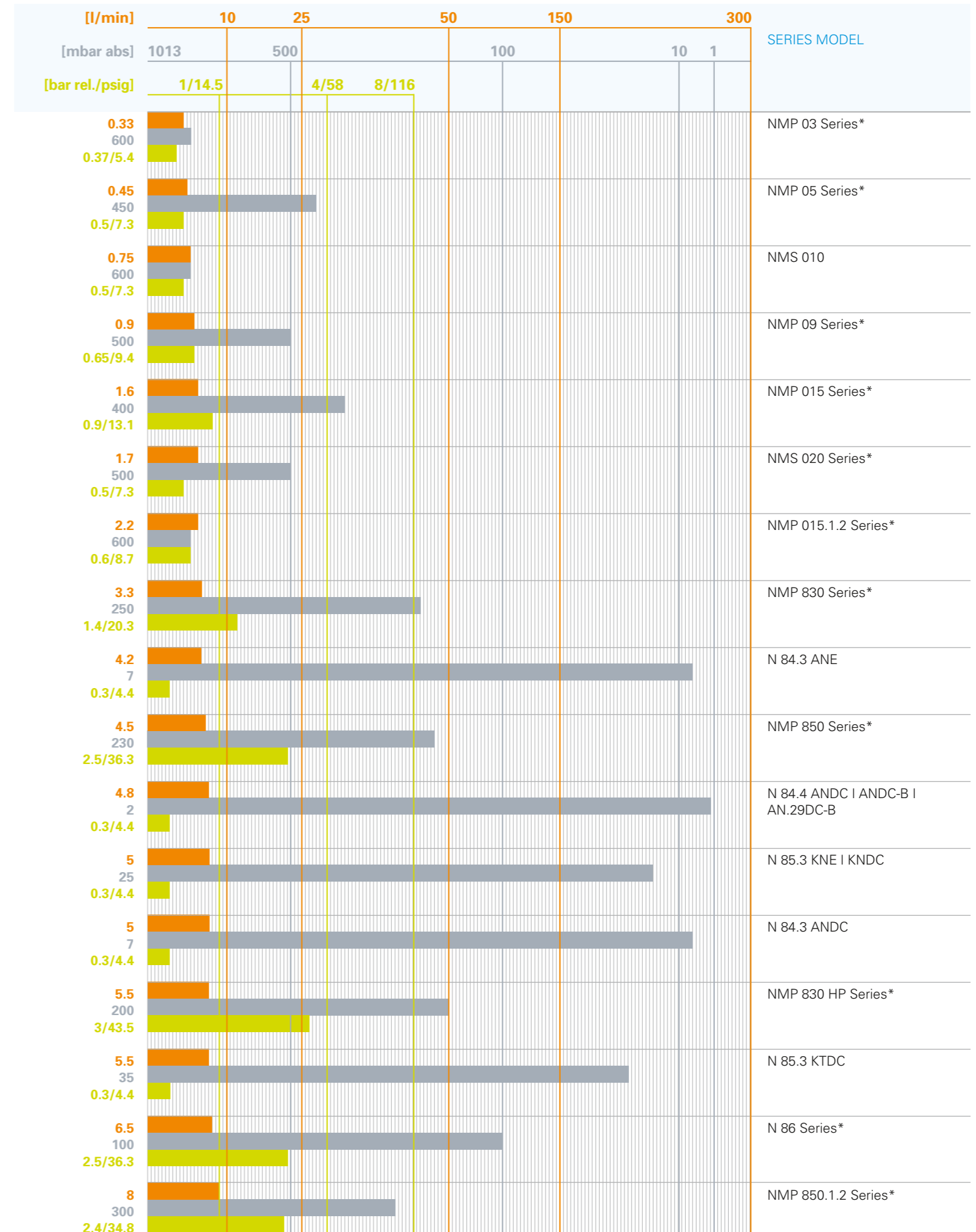


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Swing-piston pumps and compressors for air



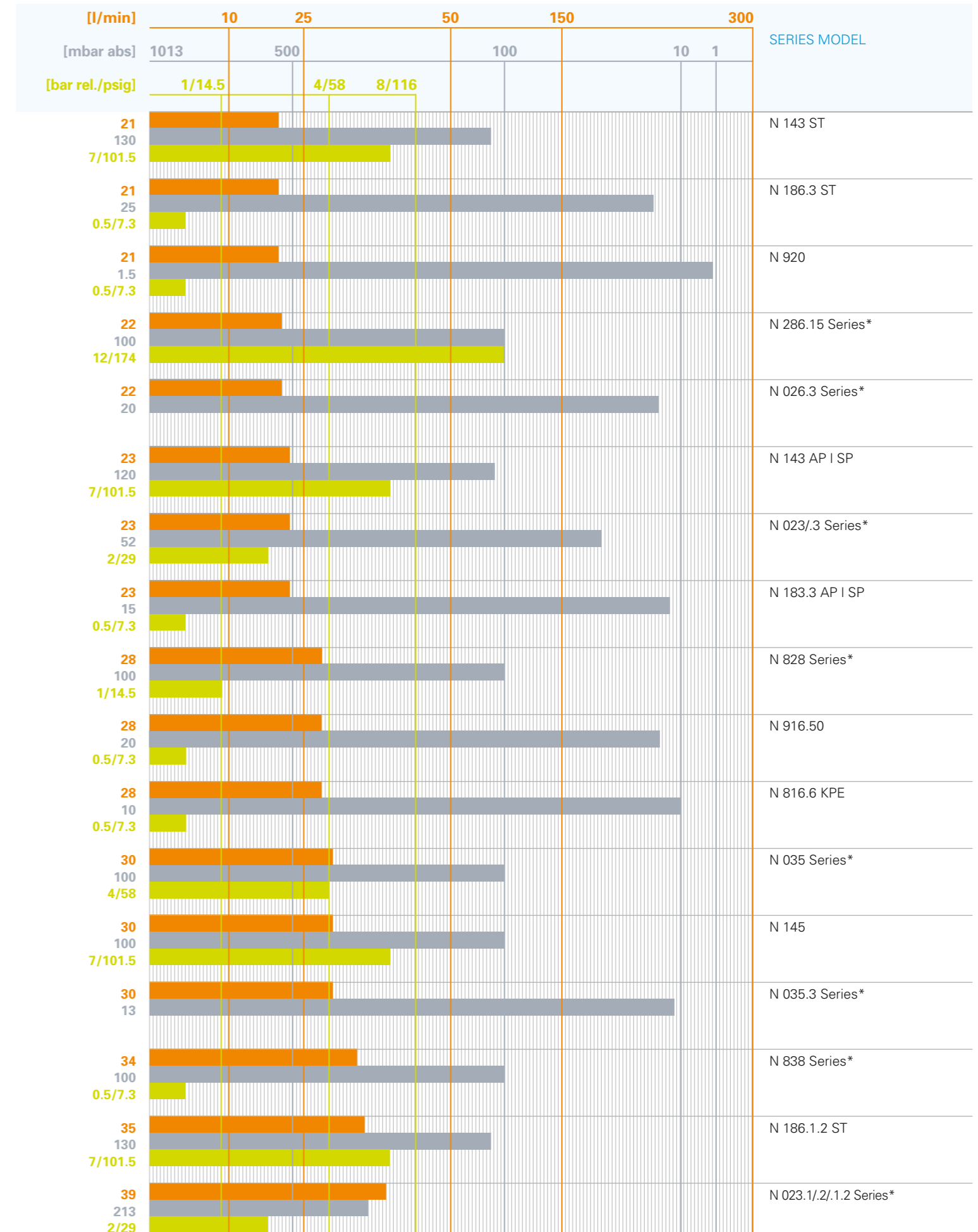
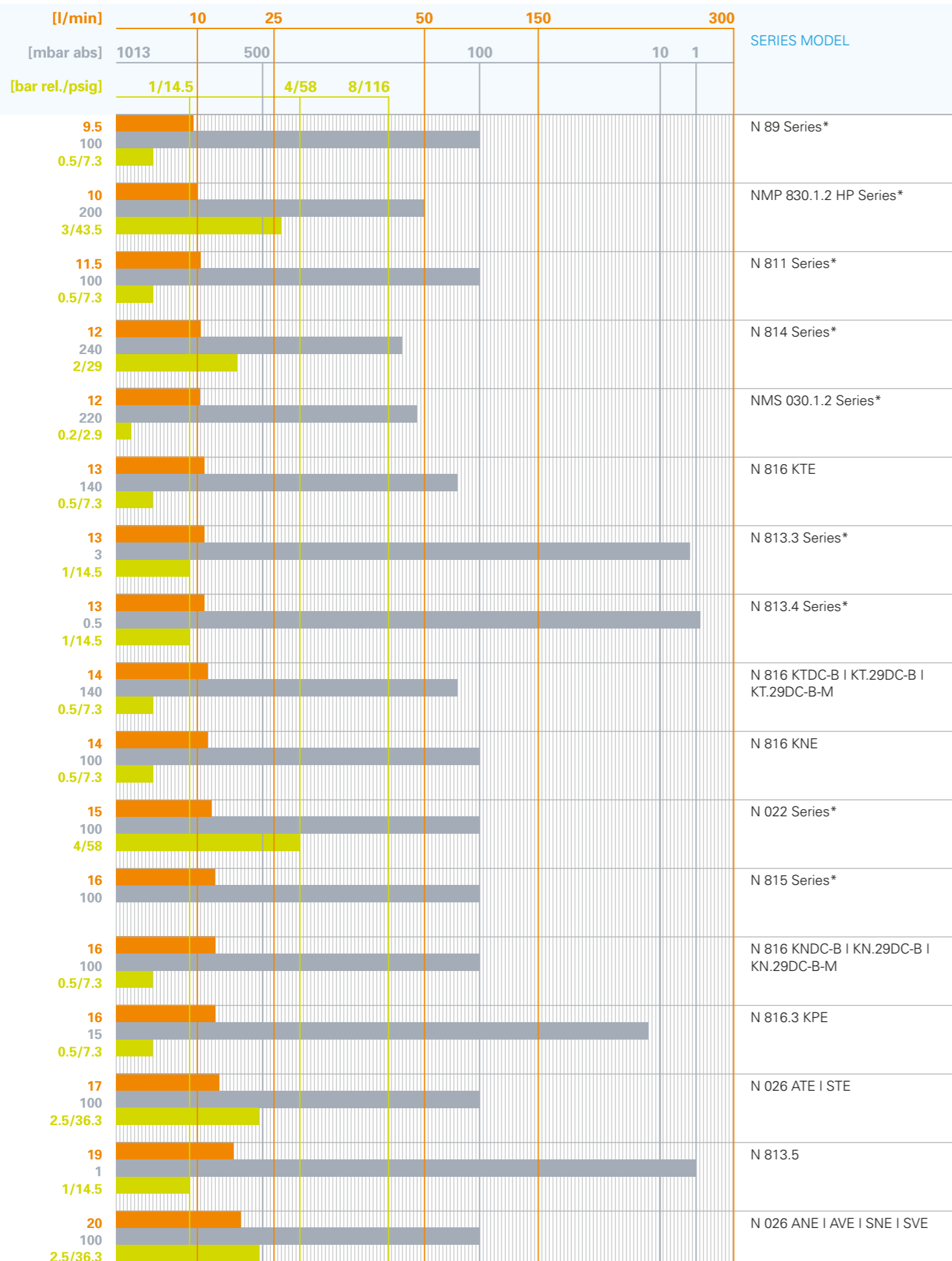
Diaphragm vacuum pumps and compressors for neutral/slightly aggressive/corrosive gases



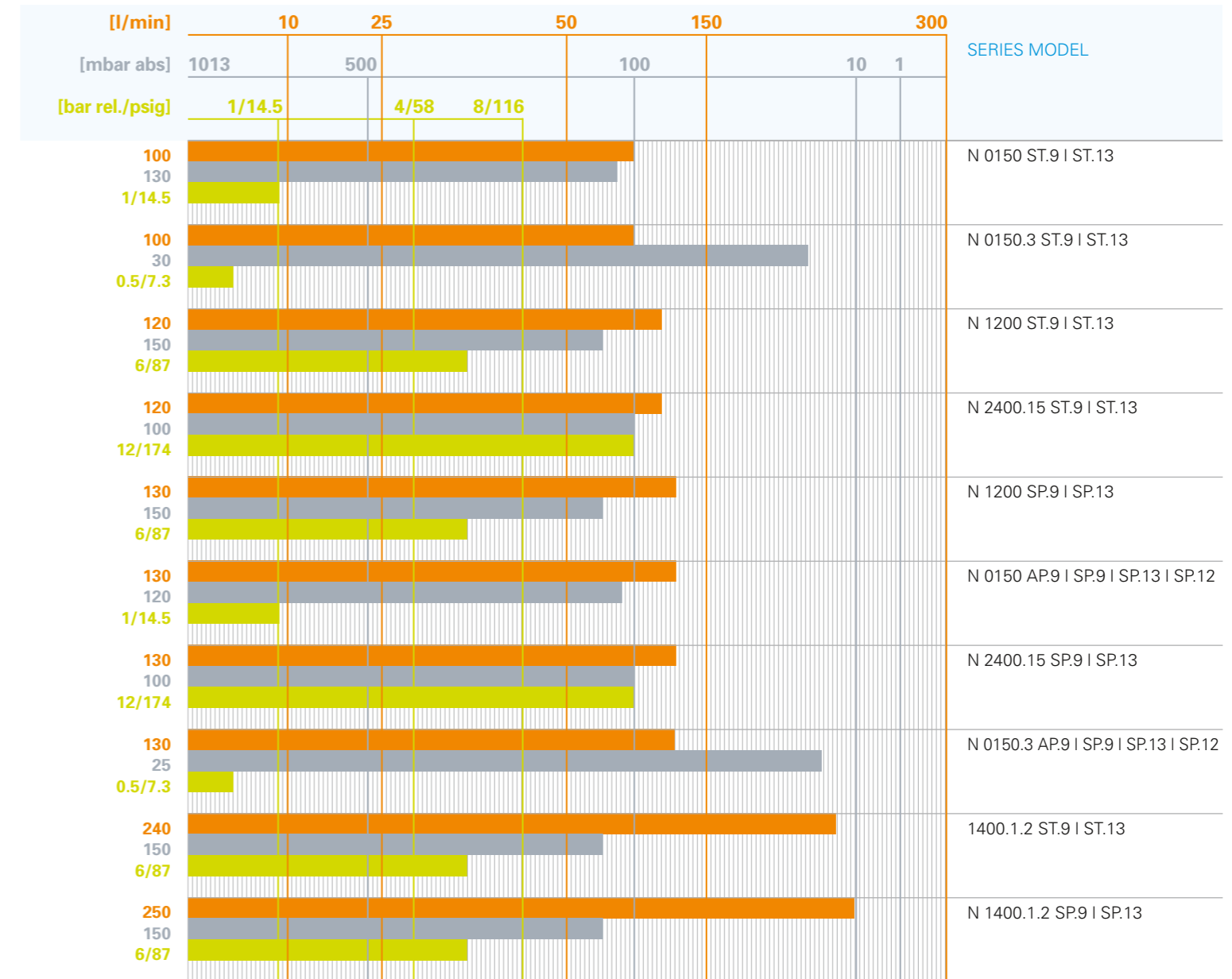
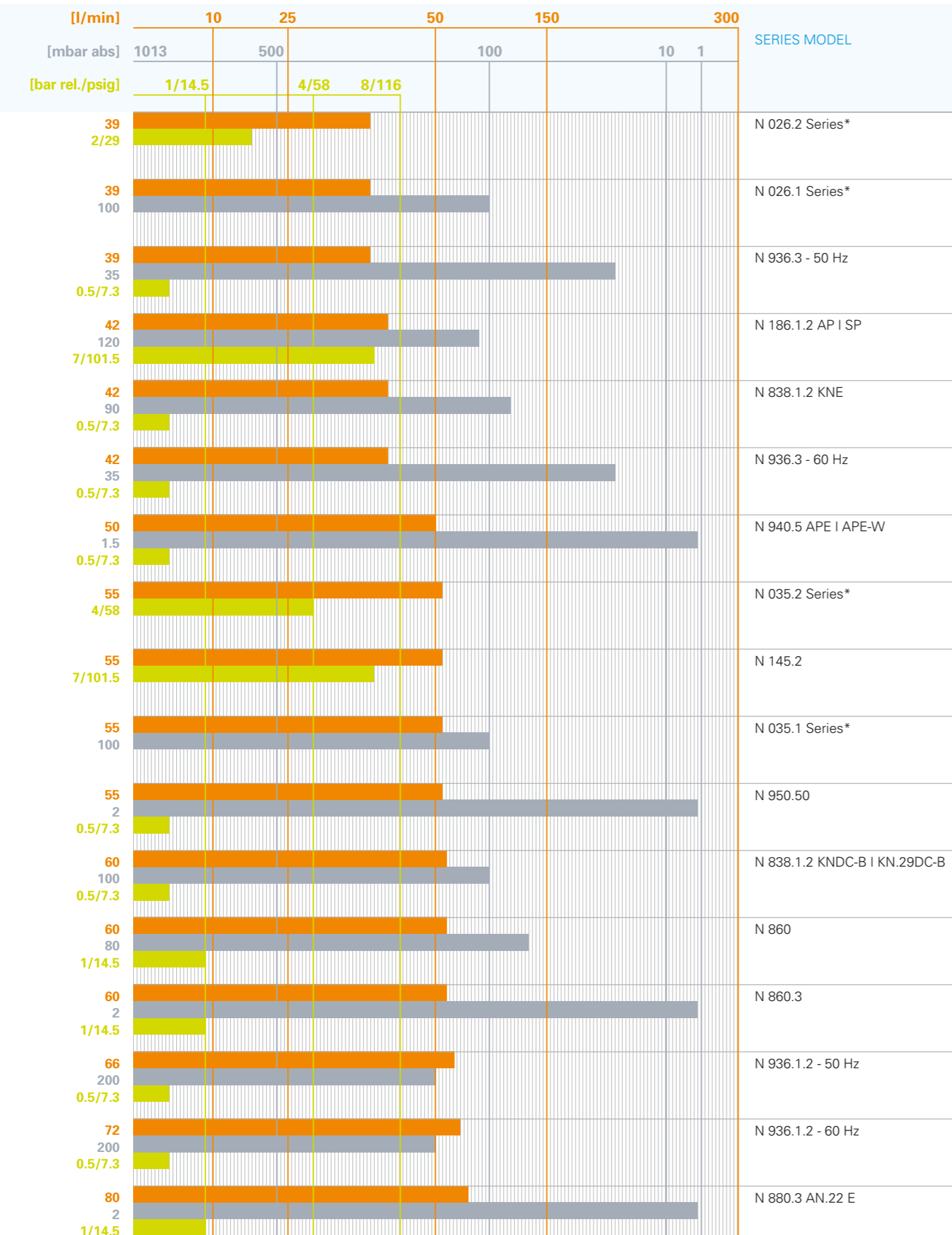
SWING-PISTON PUMPS

VACUUM PUMPS/COMPRESSORS

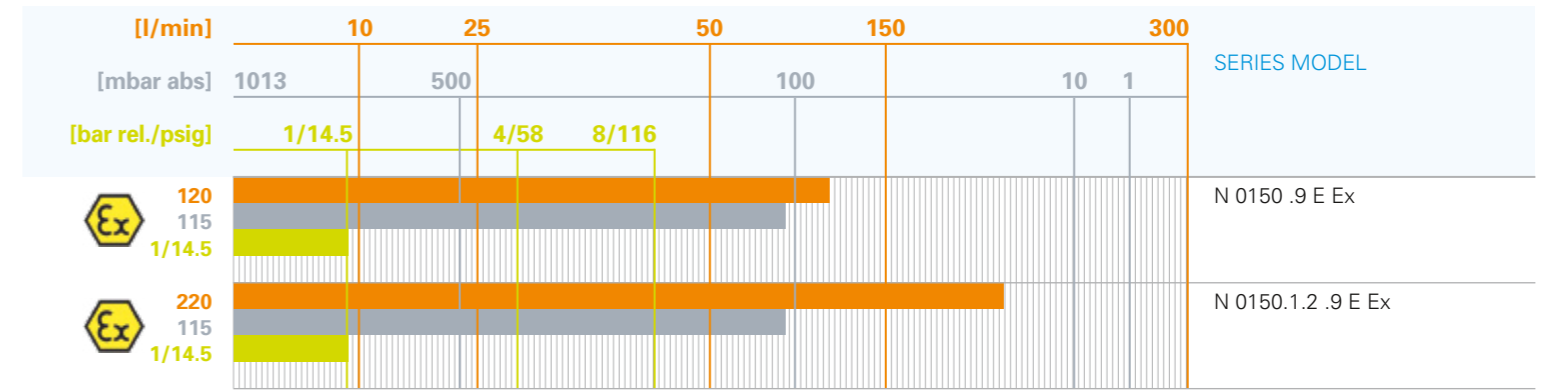
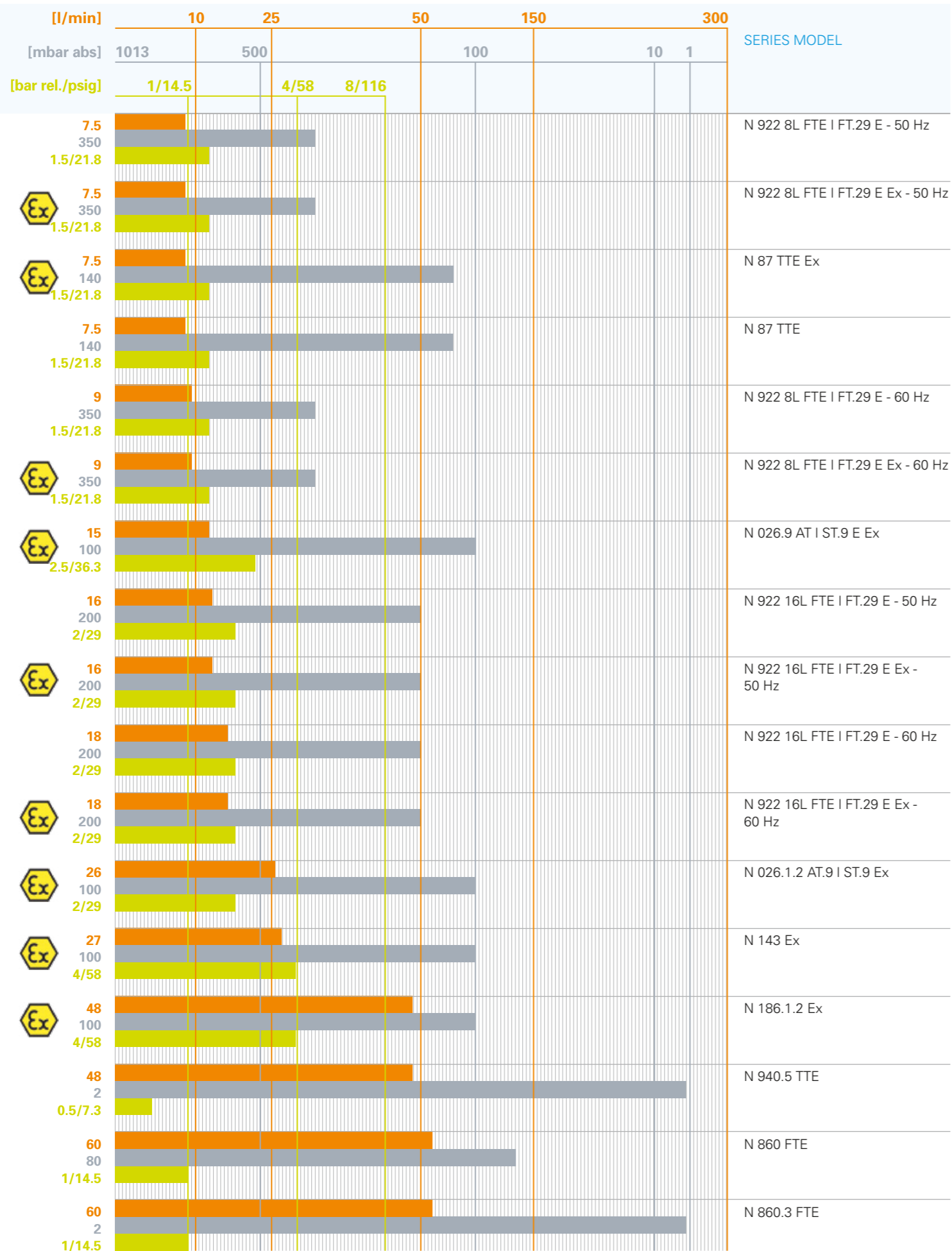
Diaphragm vacuum pumps and compressors for neutral/slightly aggressive/corrosive gases



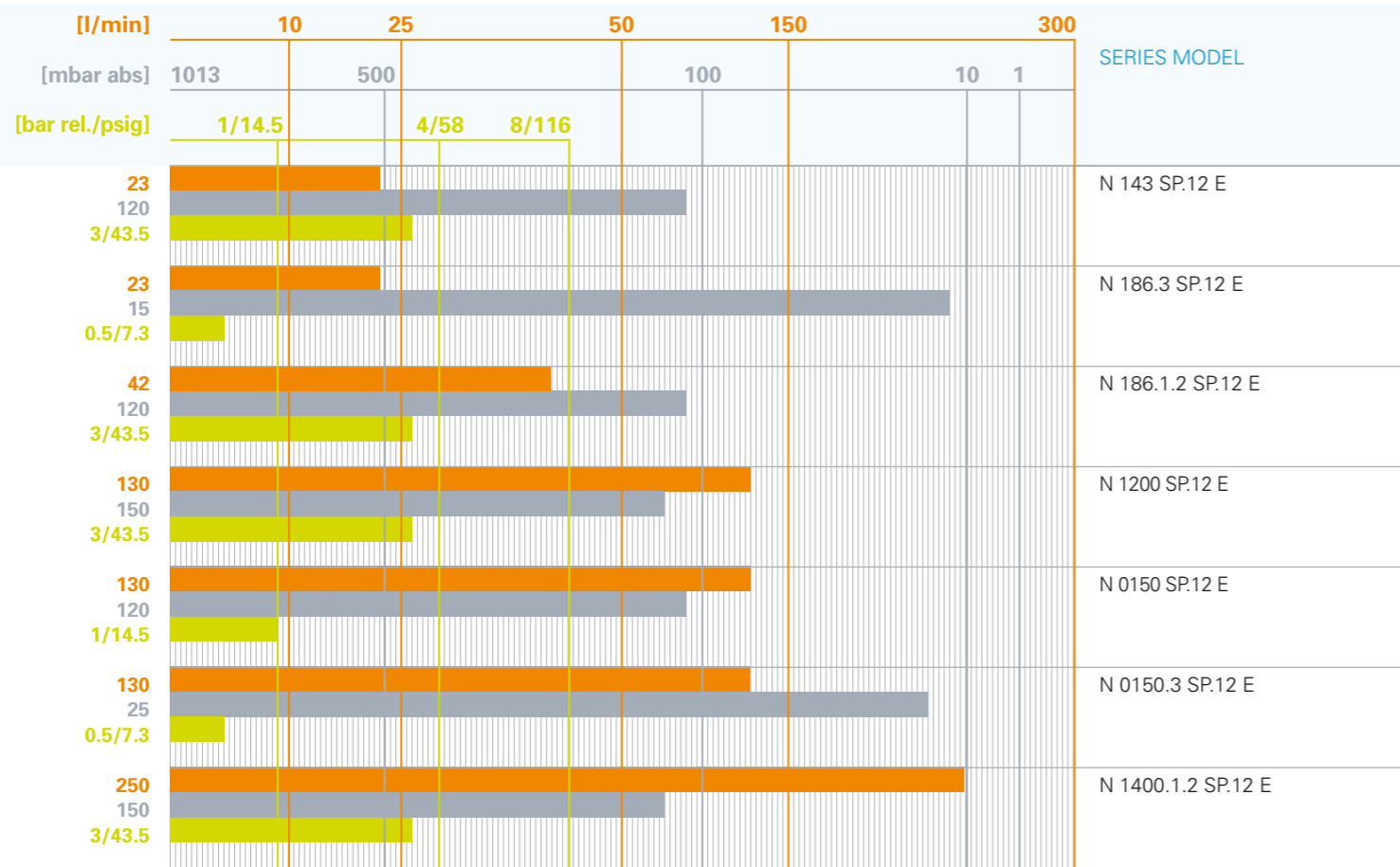
Diaphragm vacuum pumps and compressors for neutral/slightly aggressive/corrosive gases



Diaphragm vacuum pumps and compressors for aggressive/explosive gases



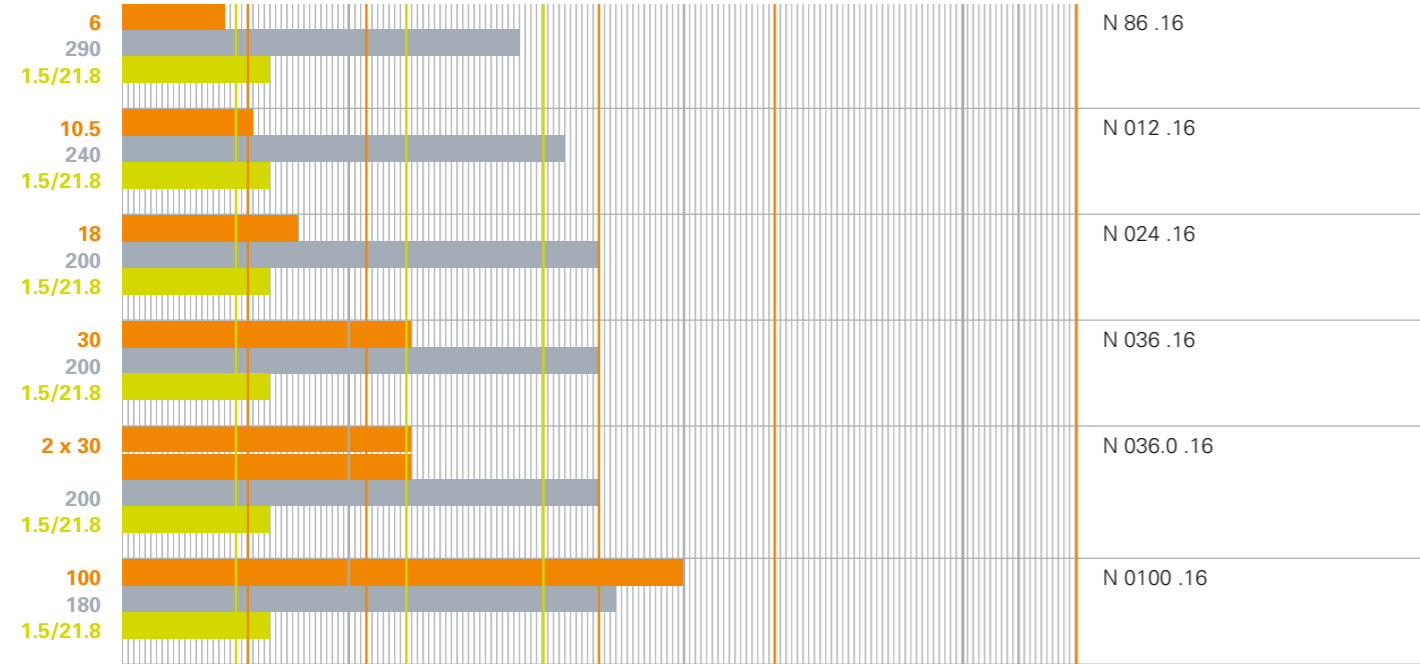
Double diaphragm pumps for valuable/hazardous gases



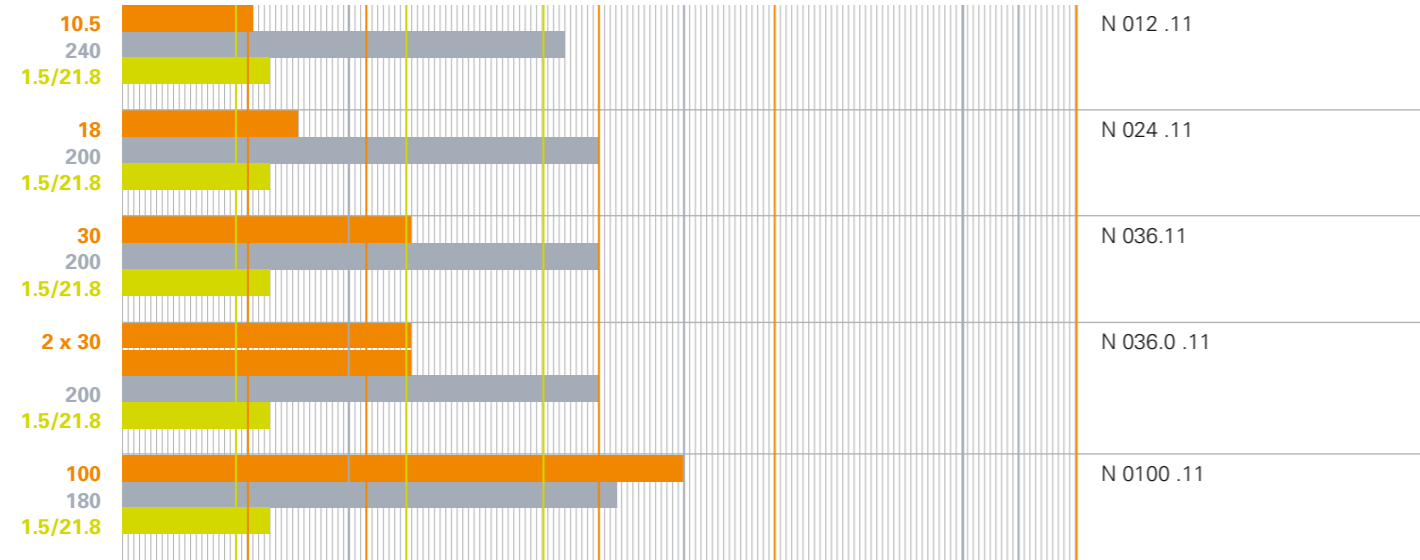
Diaphragm vacuum pumps and compressors for temperature-controlled/hot gases up to 240°C

[l/min]	10	25	50	150	300	SERIES MODEL
[mbar abs]	1013	500		100	10 1	
[bar rel./psig]	1/14.5	4/58 8/116				

TEMPERATURE-RESISTANT DIAPHRAGM PUMPS

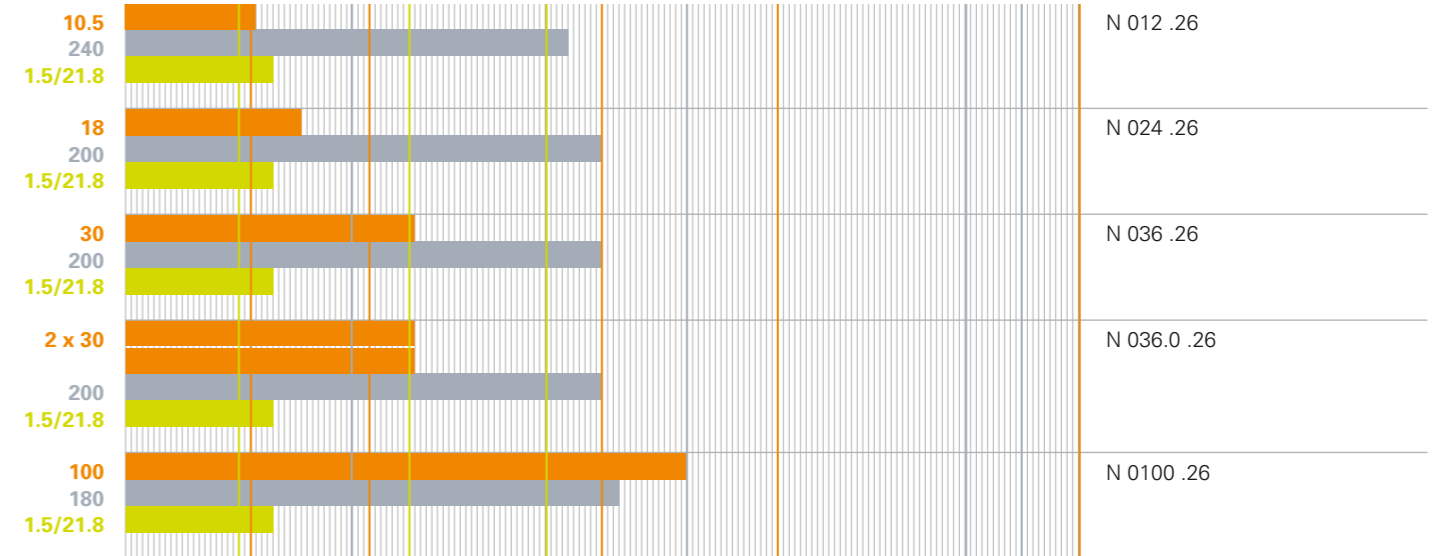


HEATED PUMPS WITH THERMOSTATICALLY TEMPERATURE LIMIT STOP



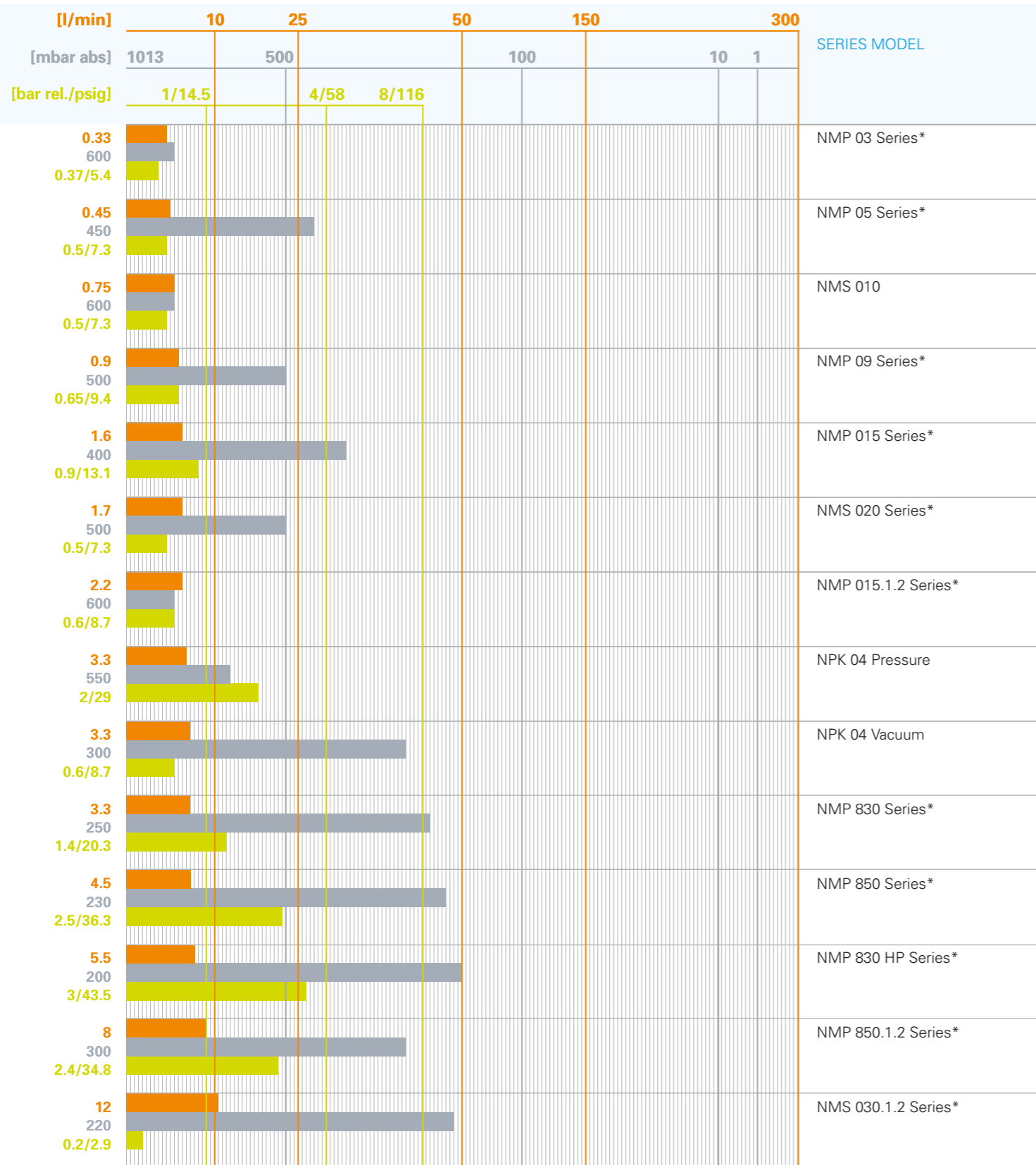
[l/min]	10	25	50	150	300	SERIES MODEL
[mbar abs]	1013	500		100	10 1	
[bar rel./psig]	1/14.5	4/58 8/116				

HEATED PUMPS WITH ELECTRONIC CONTROL

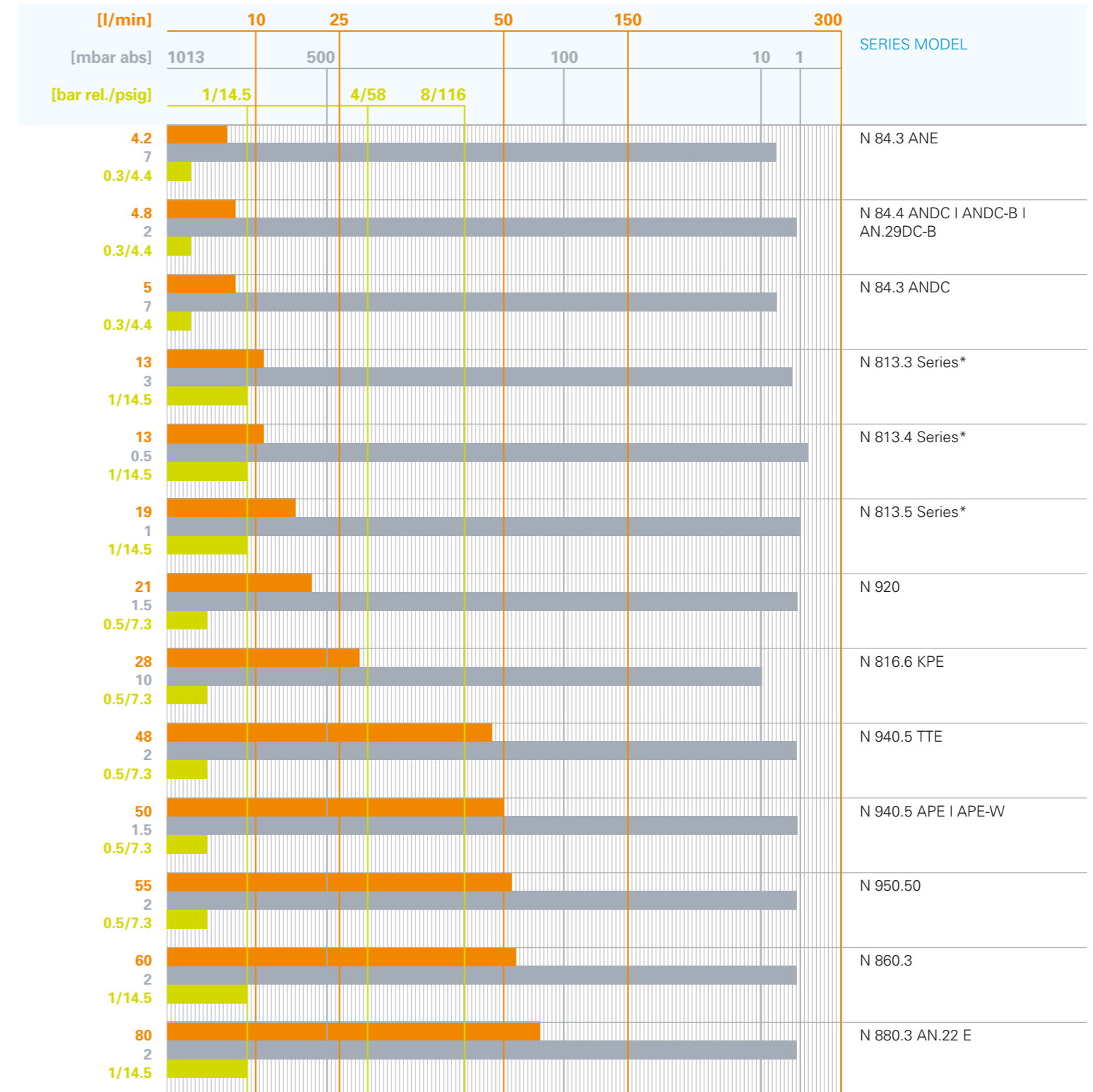


GASES UP TO 240°C

Micro diaphragm gas pumps and swing-piston pumps with a low operating current



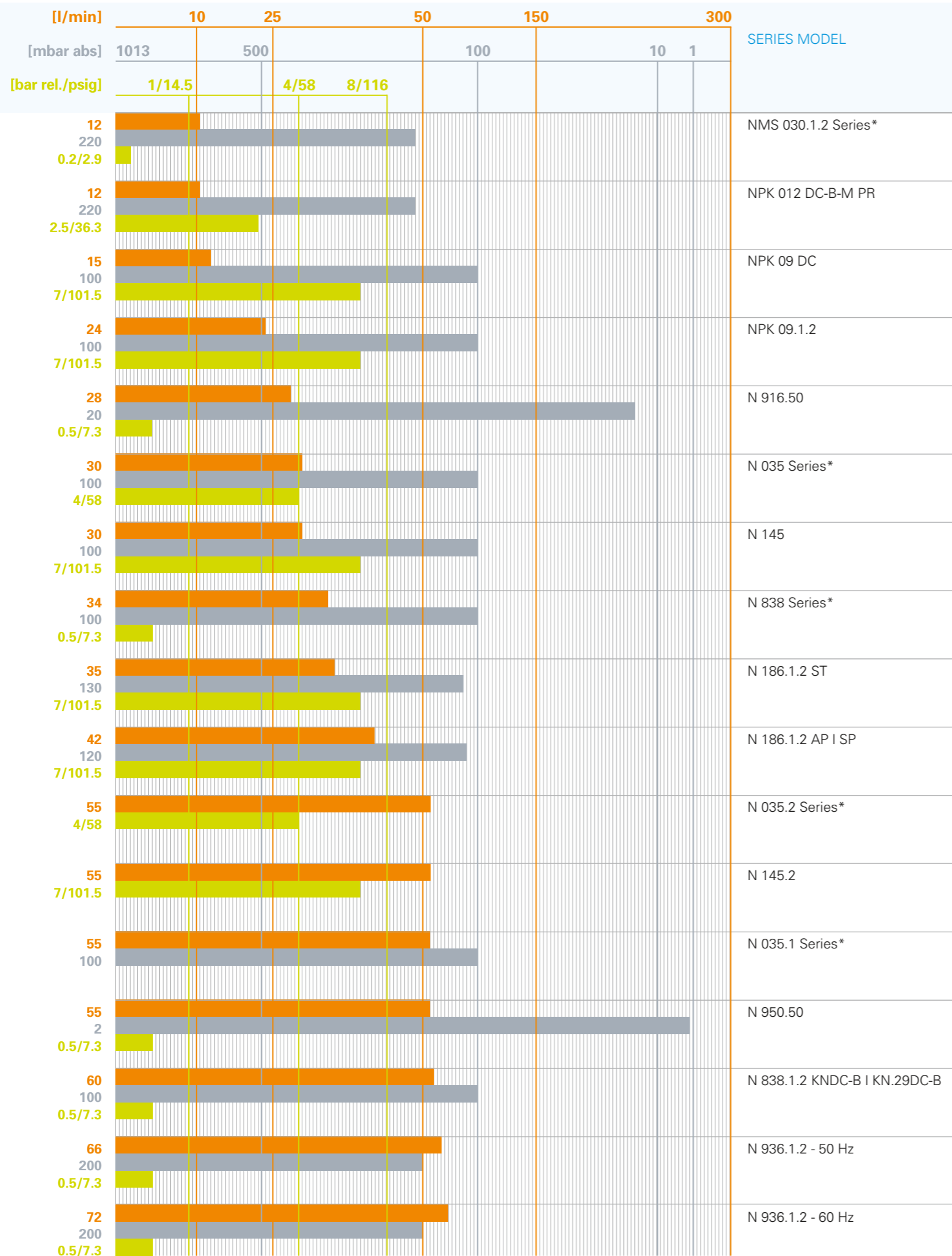
Multistage diaphragm vacuum pumps with an especially low ultimate vacuum



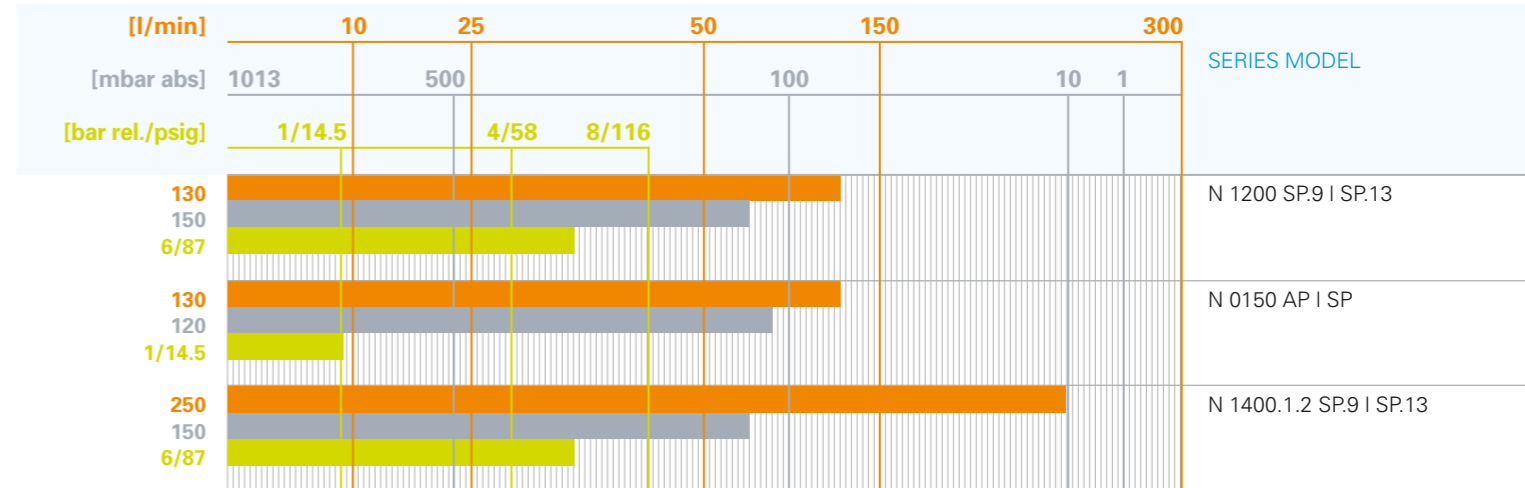
MICRO PUMPS

LOW ULTIMATE VACUUM

Diaphragm vacuum pumps and compressors as well as swing-piston pumps with high performance and compact dimensions

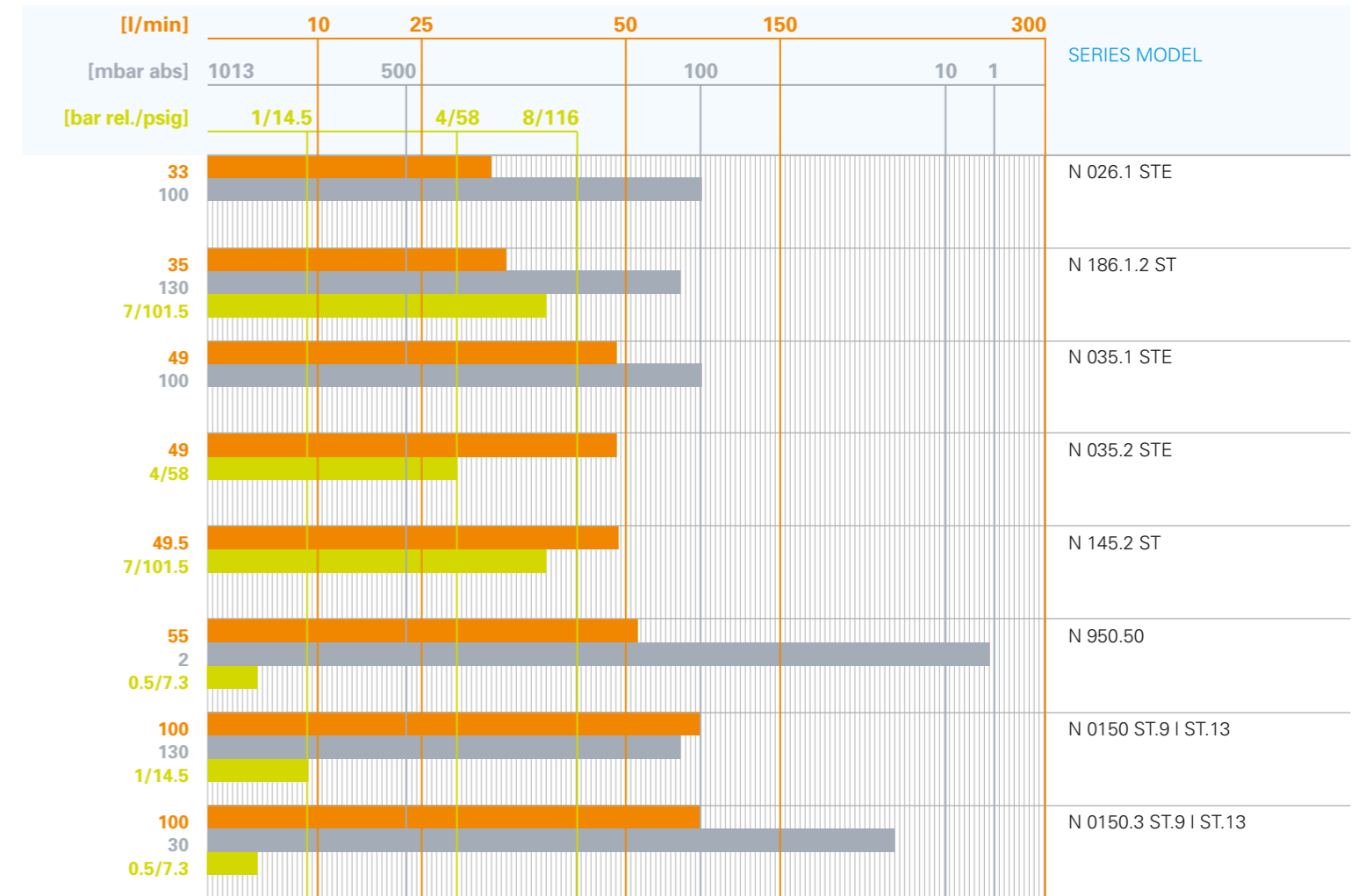
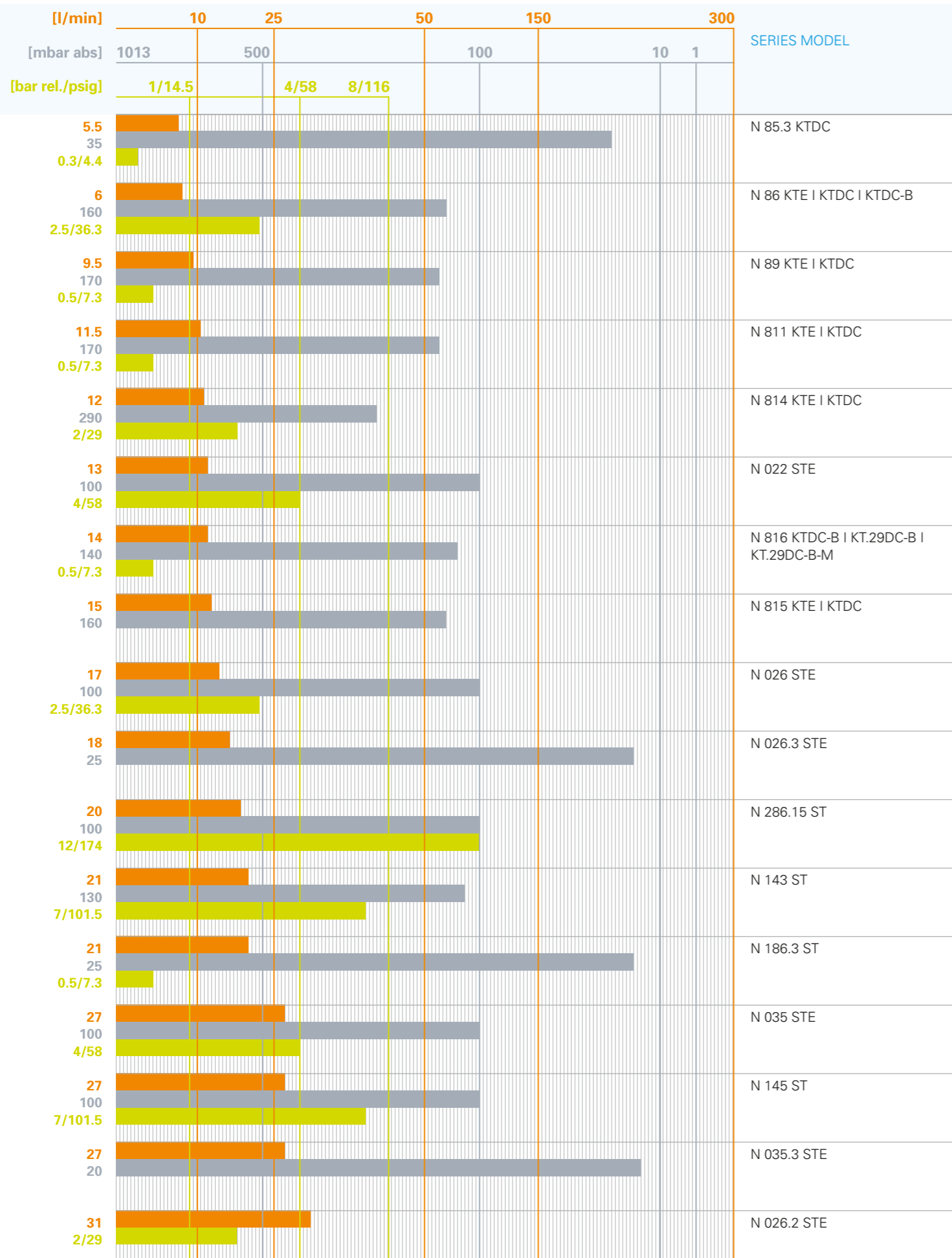


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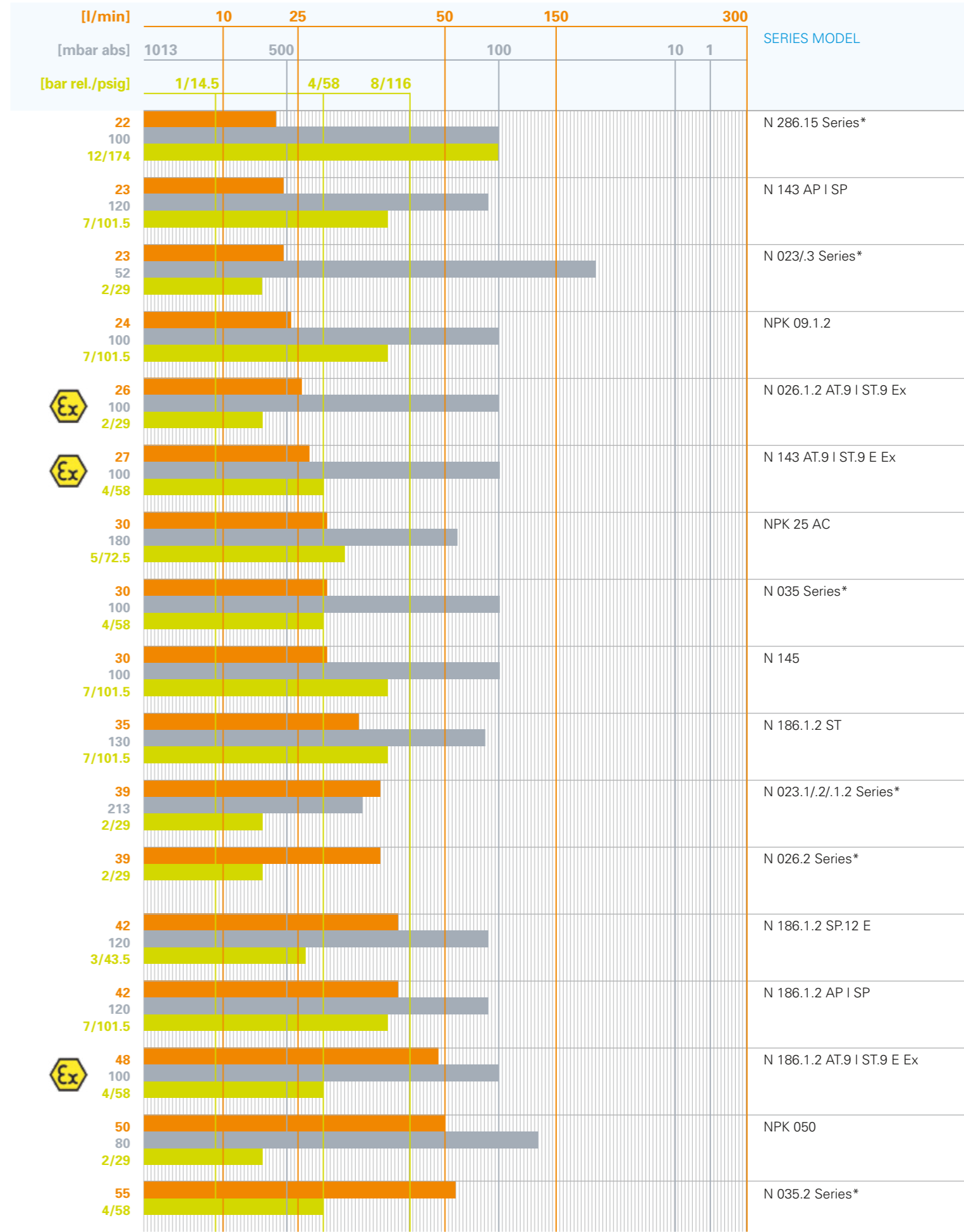
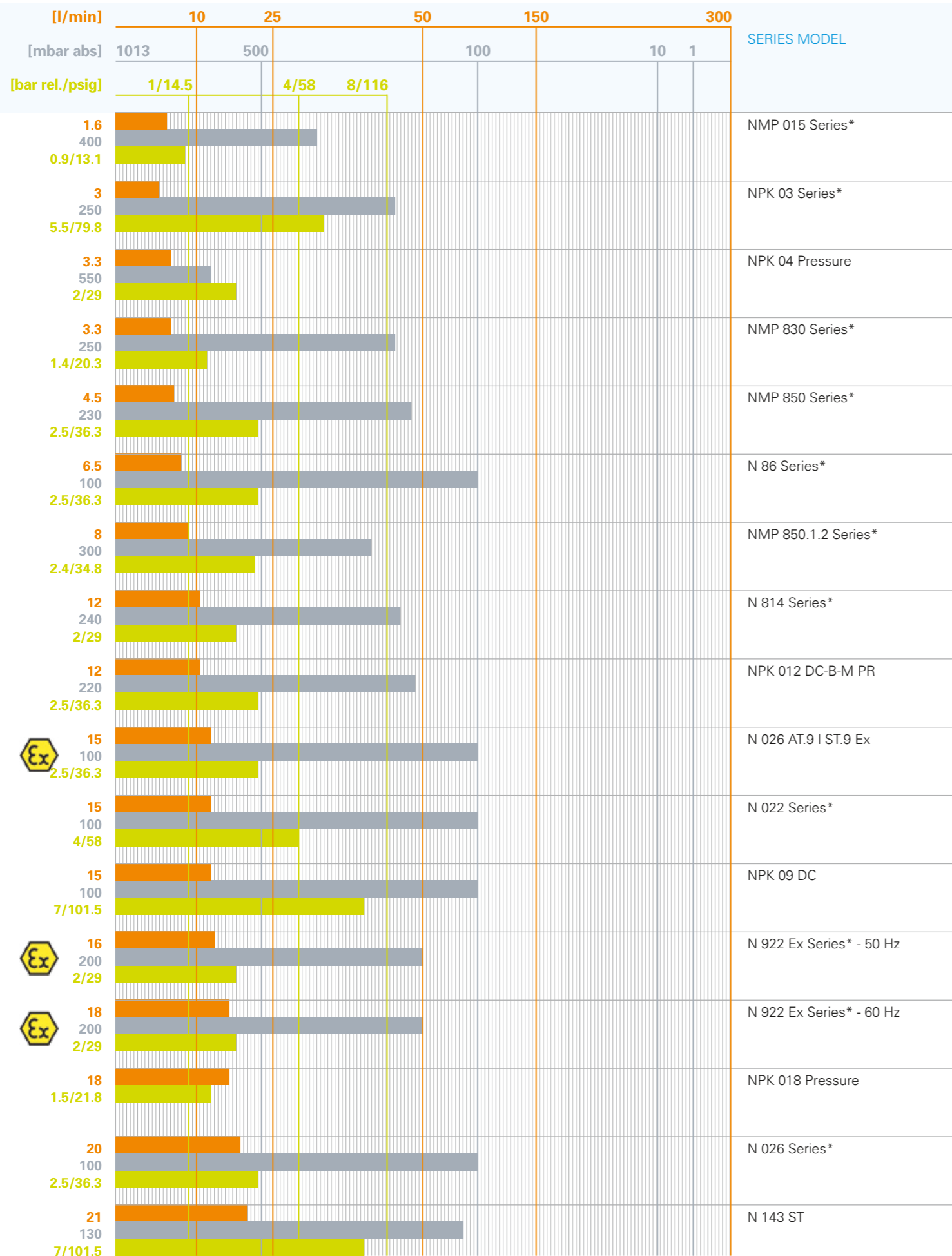
HIGH-PERFORMING & COMPACT

PTFE/FFPM diaphragm/valve material combination for transferring slightly aggressive gases



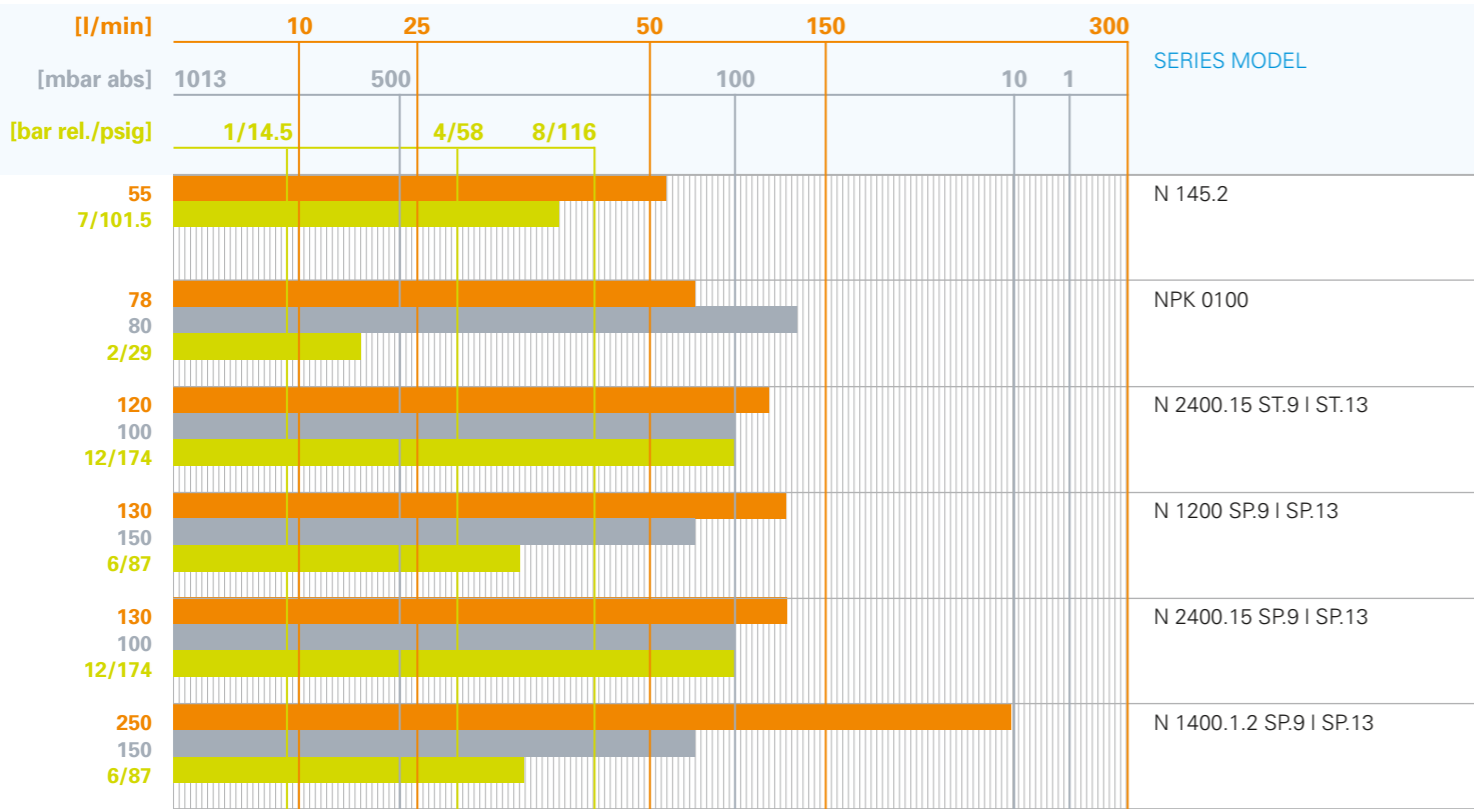
PTFE/FFPM

Compressors with/without ATEX approval



COMPRESSORS

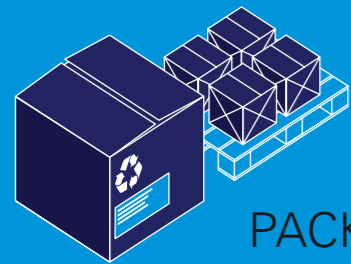
Compressors with/without ATEX approval



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FLEXIBLE SUPPORT FROM START TO FINISH – YOUR ADDED VALUE IS OUR PRIORITY

WITH KNF, FLEXIBILITY DOESN'T STOP AT THE TECHNICAL SOLUTION. WE FULFILL YOUR INDIVIDUAL REQUESTS EVERY STEP OF THE WAY UNTIL DELIVERY AND SERVICE.



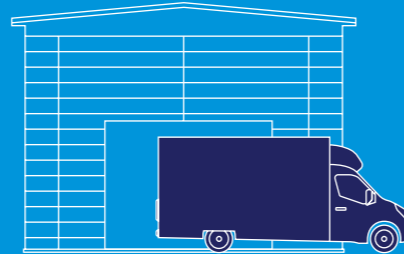
PACKAGING

We'll be happy to implement any measures that make life easier for your goods inward department, as well as to support your efforts toward recycling and environmental protection.



DOCUMENTATION

Together, we'll define the type, scope and design of the documentation.



LOGISTICS

We support all types of production lot ordering – including Kanban, VMI, CMI, B2B and others.

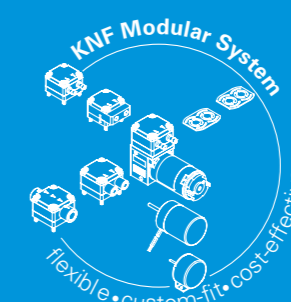


We inspect and test 100% in line with your requests.



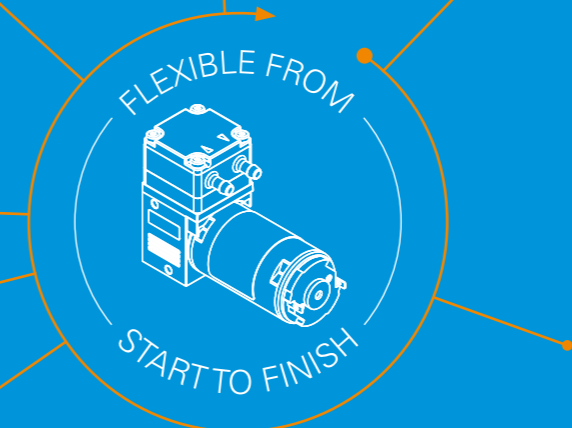
SERVICE

We implement custom-fit service concepts for you. It is important to us to minimize the overall running costs of our pumps, and we take this into account in the pricing of replacement parts.



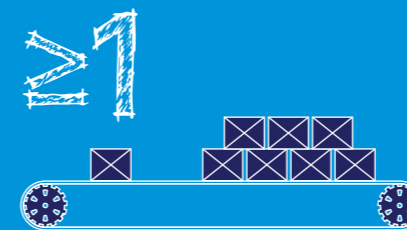
~3,000

customized adaptations are carried out at KNF every year for all our customers worldwide – quickly and inexpensively thanks to our modular system. We also develop exclusive pumps and drive concepts for individual customers.



"ASSEMBLY AND ENGINEERING IN ONE"

We will provide you with the pump as an assembly. This may include completing steps in the production process or installing components such as a valve block, sensors, tubing etc.



PRODUCTION

You can rely on the flexibility and quality of our support for every order with KNF, from large lot sizes to a single pump.

YOUR LOCAL PARTNER AROUND THE WORLD

KNF SALES ORGANIZATION

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Liquid Pumps KNF Flodos AG
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