

ADVANCE[®]

PRODUCT CATALOG
Valves for a multiplicity of requirements

www.advance-e.jp

NP series

High Precision Metering Valves

ADVANCE ELECTRIC CO., INC.

519-1, Urayashiki, Hazama-Cho, Kasugai-Shi, Aichi, 487-0031 Japan PHONE: +81-568-88-7300 FAX: +81-568-88-7373

www.advance-e.jp

INDEX



NP series

High Precision Metering Valves

NP310A-2ACB-*	02-03
NP310A-2ACB-* (Flow Characteristics-1)	04-05
NP310A-2ACB-* (Flow Characteristics-2)	06-07
NP310A-2ACB-* (Flow Characteristics-3)	08-09
NP310A-2ACB-* (Flow Characteristics-4)	10-11
NP370A-3CB-*	12-13
NP370A-3CB-* (Flow Characteristics-1)	14-15
NP370A-3CB-* (Flow Characteristics-2)	16-17

Export Control

●Export control is aimed at preventing the proliferation of weapons of mass destruction and other sensitive items to countries and regions of security concern or terrorist organizations. Export transactions of goods and technology that have potential weapons of mass destruction (WMD)/ conventional weapons applications are regulated under laws and regulations.

●To ensure safety by maintaining international peace and security, a license may be required from governmental authorities in order to export or provide products or technologies within this catalog. The regulation for export of cargos and technologies is defined by the following four regimes as well as governmental authorities of each country.

Nuclear Suppliers Group (NSG)
Australia Group (AG)

Missile Technology Control Regime (MTCR)
Wassenaar Arrangement (WA)

●Be sure to comply with each country's export control laws and regulations when exporting or providing products or technologies within this catalog.

※Please contact us if you have any questions.

NP series

High Precision Metering Valve

The NP series needle valve precisely adjusts flow rate of DI water and chemical.



High Precision Metering Valve

NP310A-2ACB-*



Specifications

Model Code	See Model Selection Table
Connection Size	(I.D.×O.D.) 3.97×6.35 [mm]
Flow Characteristics	See Flow Characteristics
Applicable Media	DI Water, Corrosive Fluid
Media Pressure	A→B: 0~0.5MPa
	B→A: 0~0.5MPa
Media Temperature	15~90°C
Ambient Temperature	10~60°C
Wetted Material	Diaphragm: PTFE
	Valve Body: PTFE

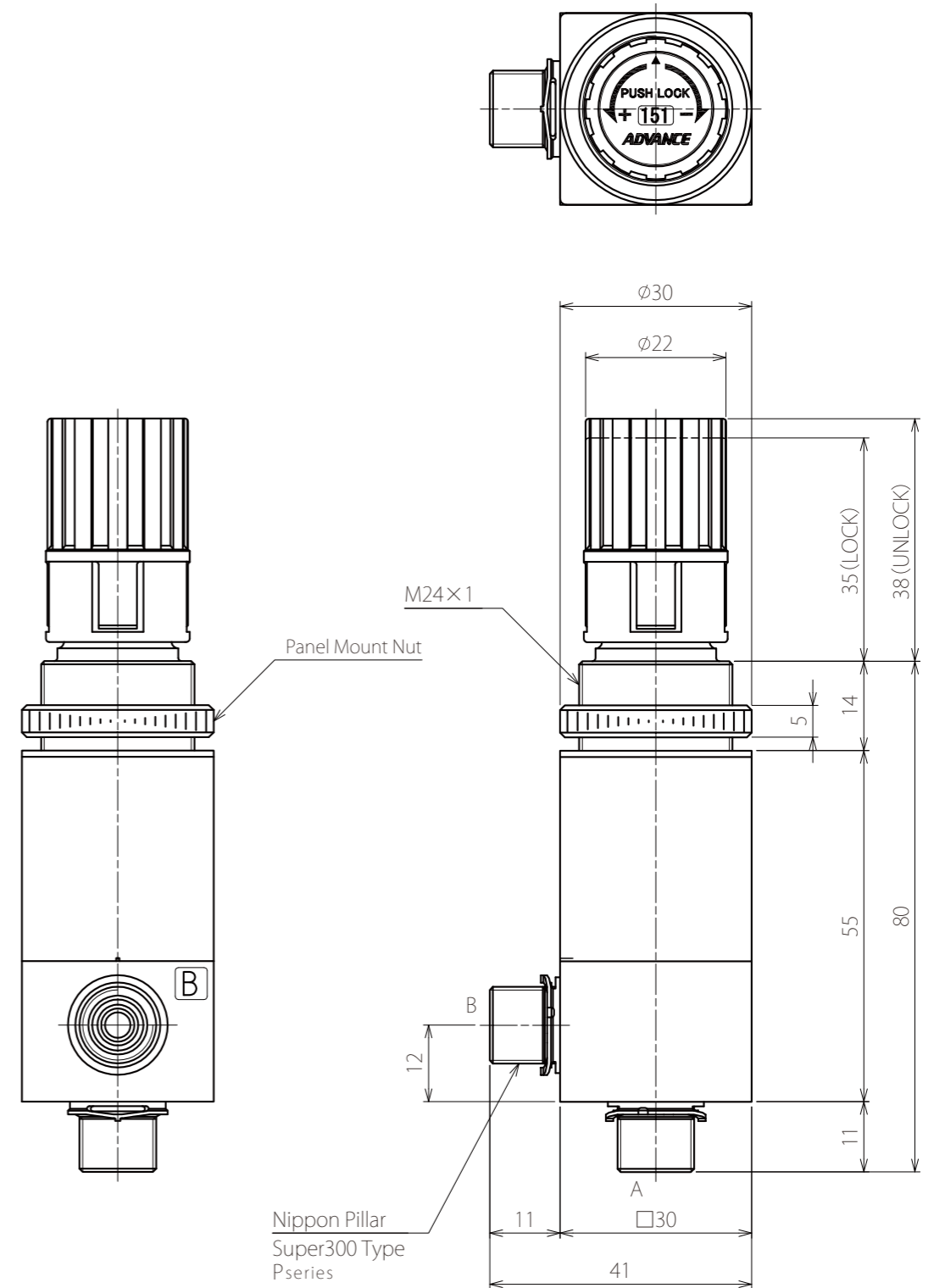
*Specifications are subject to change without notice.

Model Selection Table

NP310A-2ACB-*

Flow Range:
Multiple orifice sizes to select from to fine-tune flow in the desired flow range. See flow charts for details.

Dimensional Drawing

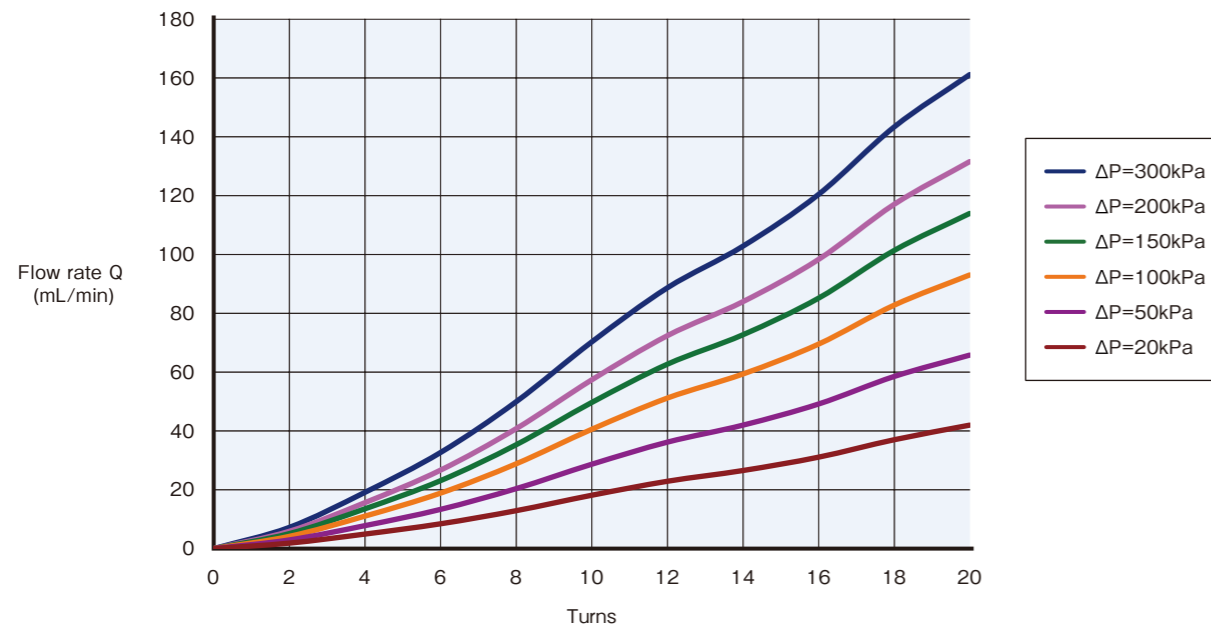


(unit : mm)

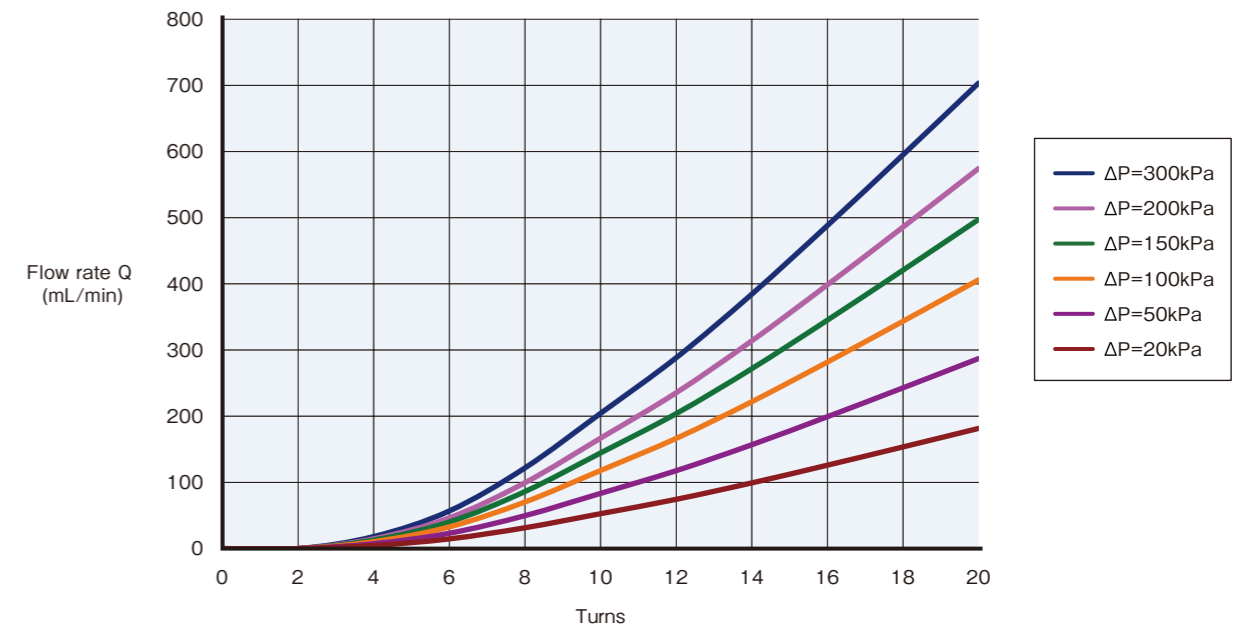
NP310A-2ACB-* (Flow Characteristics-1)

Applicable Media	DI Water(25°C)
Ambient Temperature	25°C

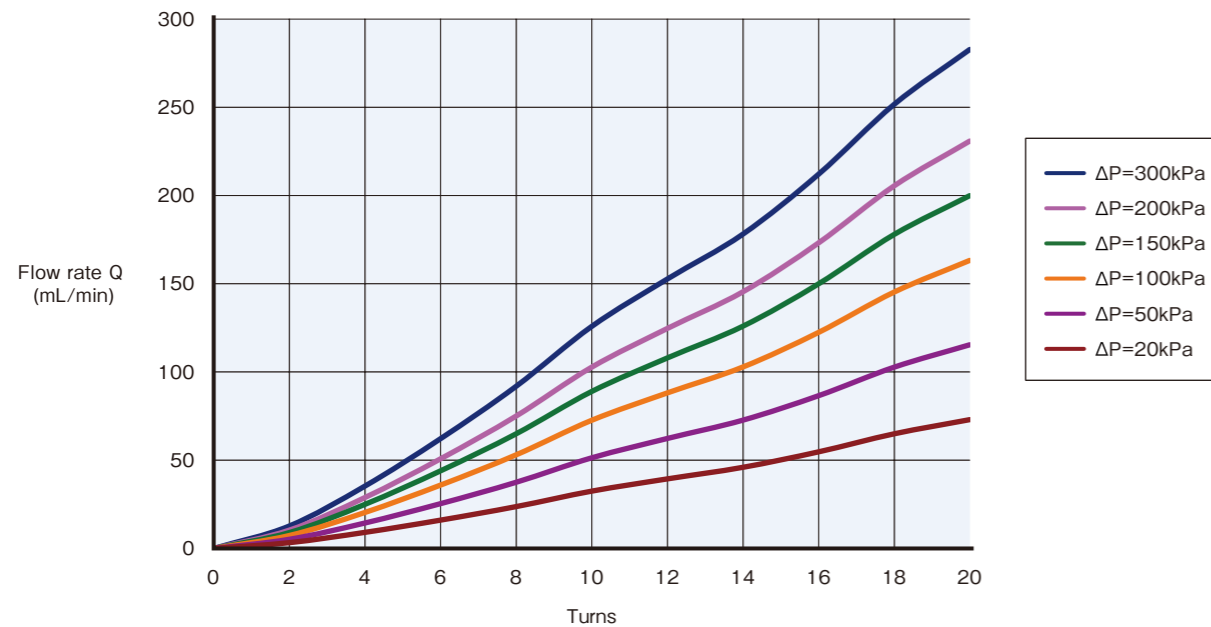
NP310A-2ACB-151



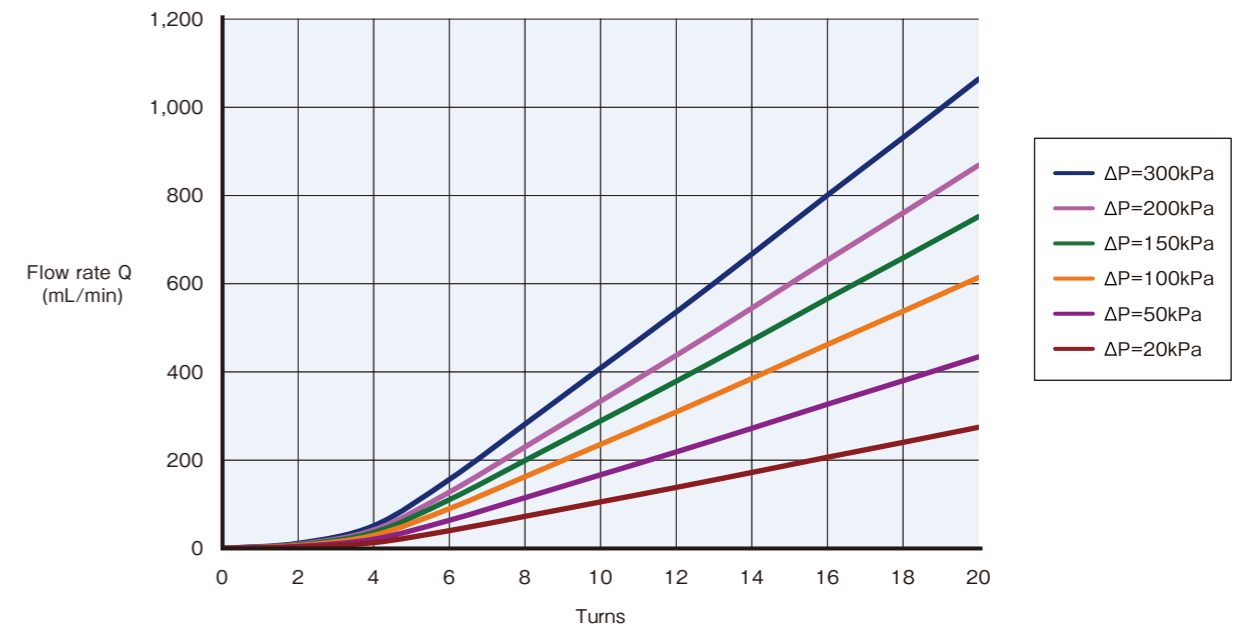
NP310A-2ACB-202



NP310A-2ACB-201



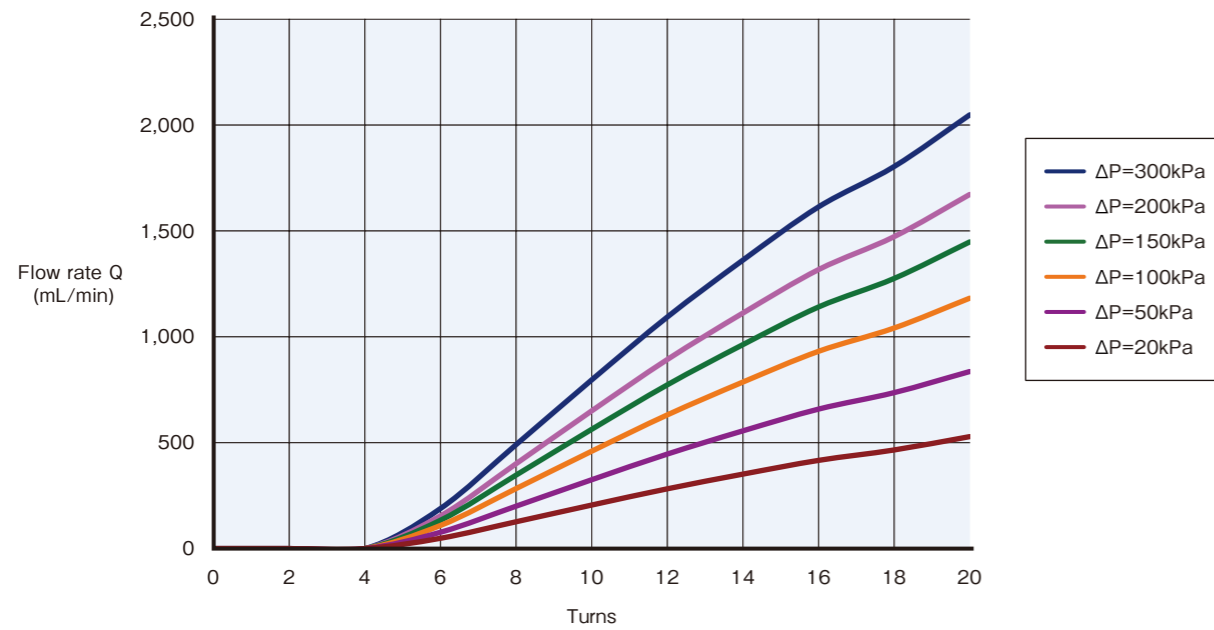
NP310A-2ACB-203



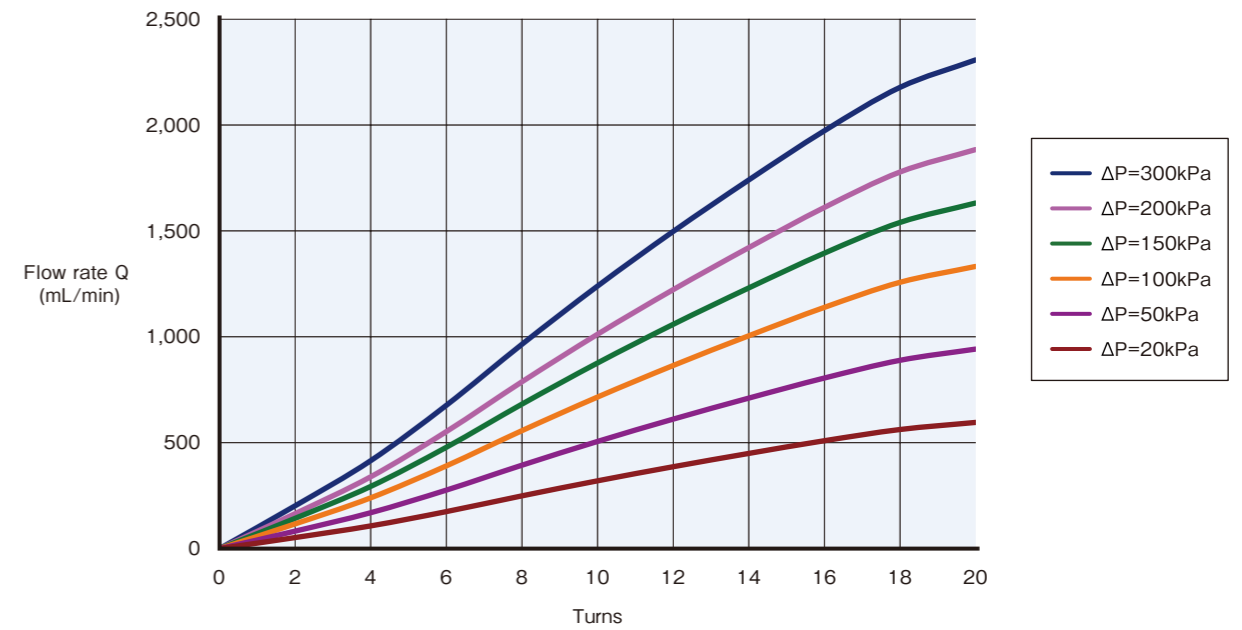
NP310A-2ACB-* (Flow Characteristics-2)

Applicable Media	DI Water(25°C)
Ambient Temperature	25°C

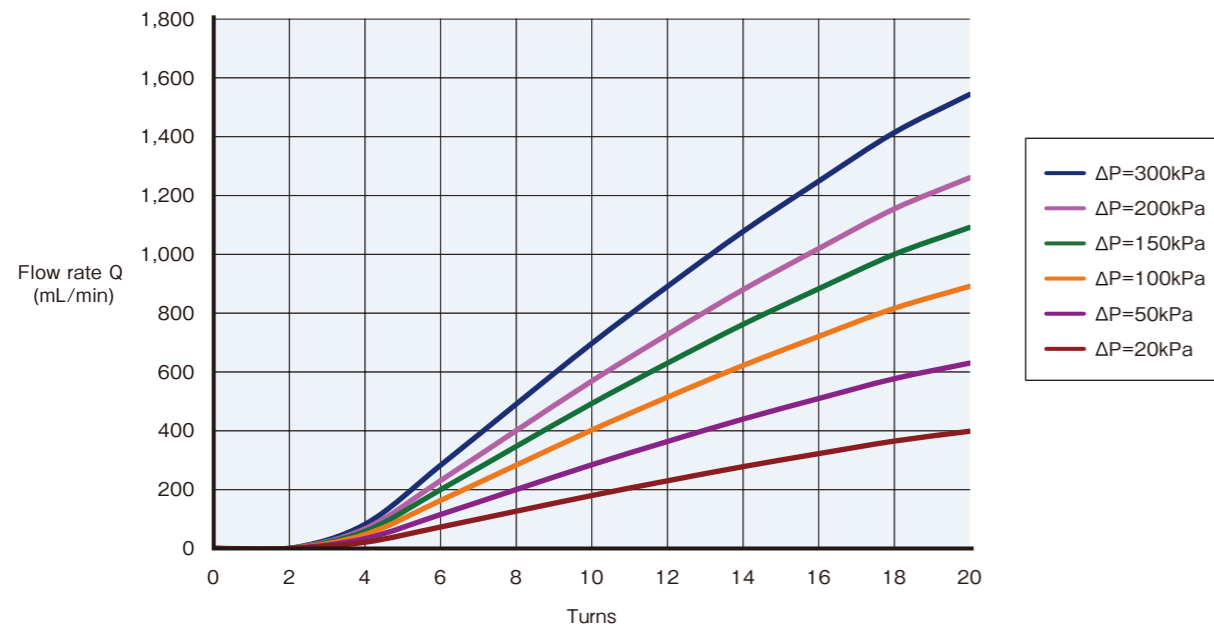
NP310A-2ACB-204



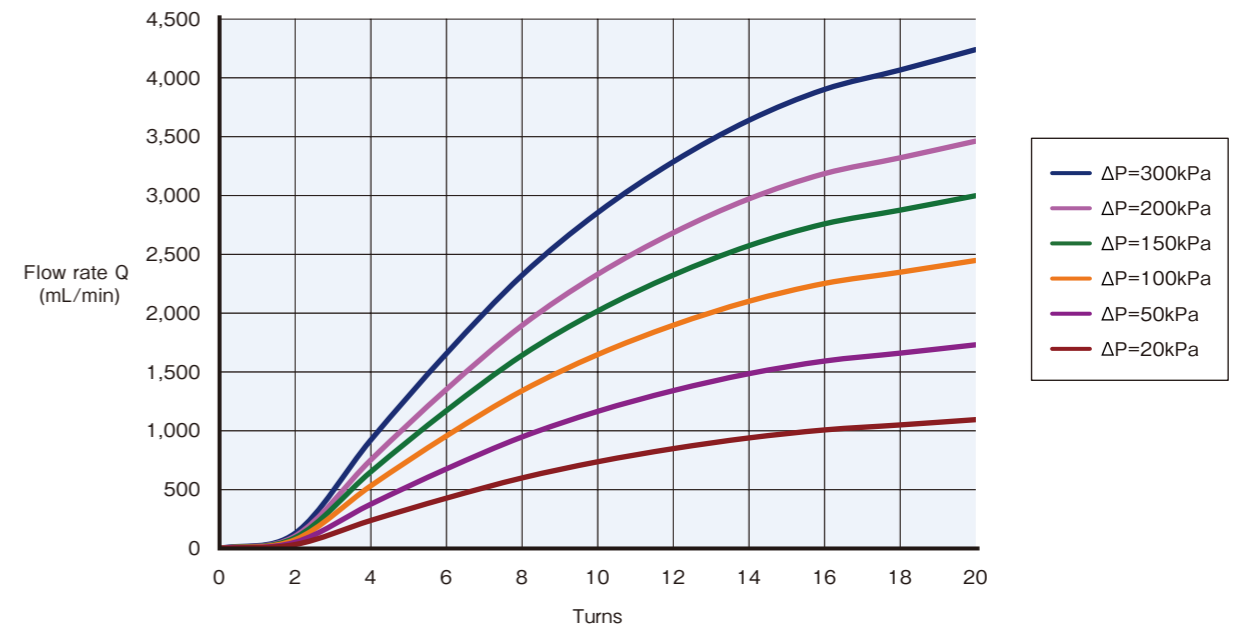
NP310A-2ACB-252



NP310A-2ACB-251



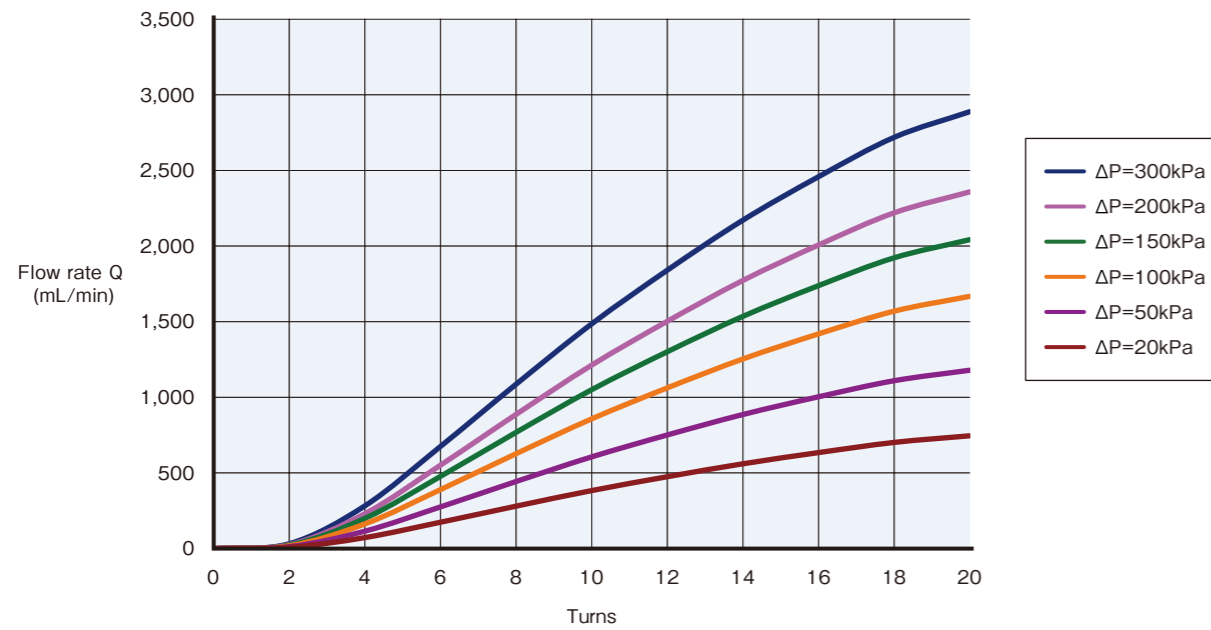
NP310A-2ACB-253



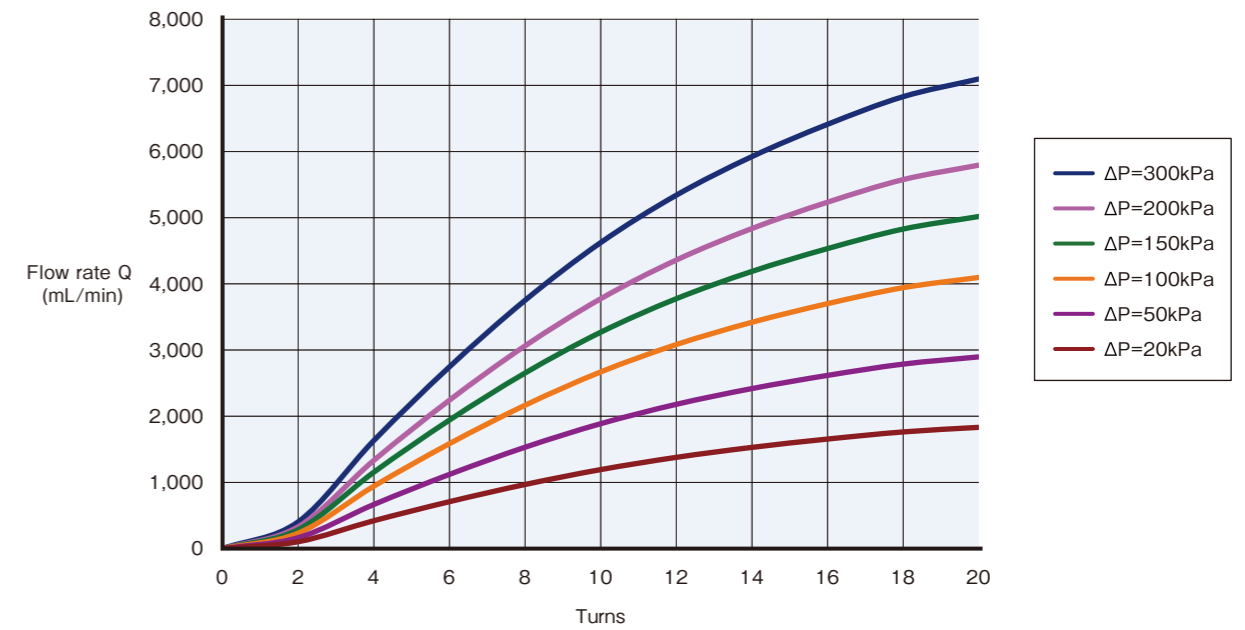
NP310A-2ACB-* (Flow Characteristics-3)

Applicable Media	DI Water(25°C)
Ambient Temperature	25°C

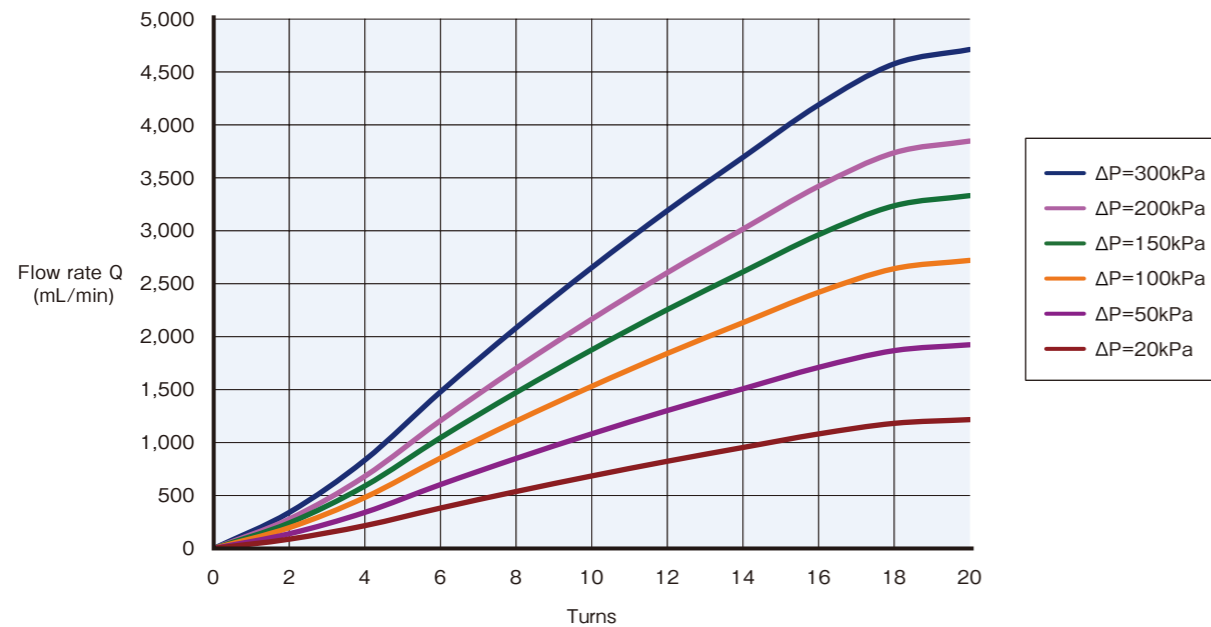
NP310A-2ACB-301



NP310A-2ACB-303



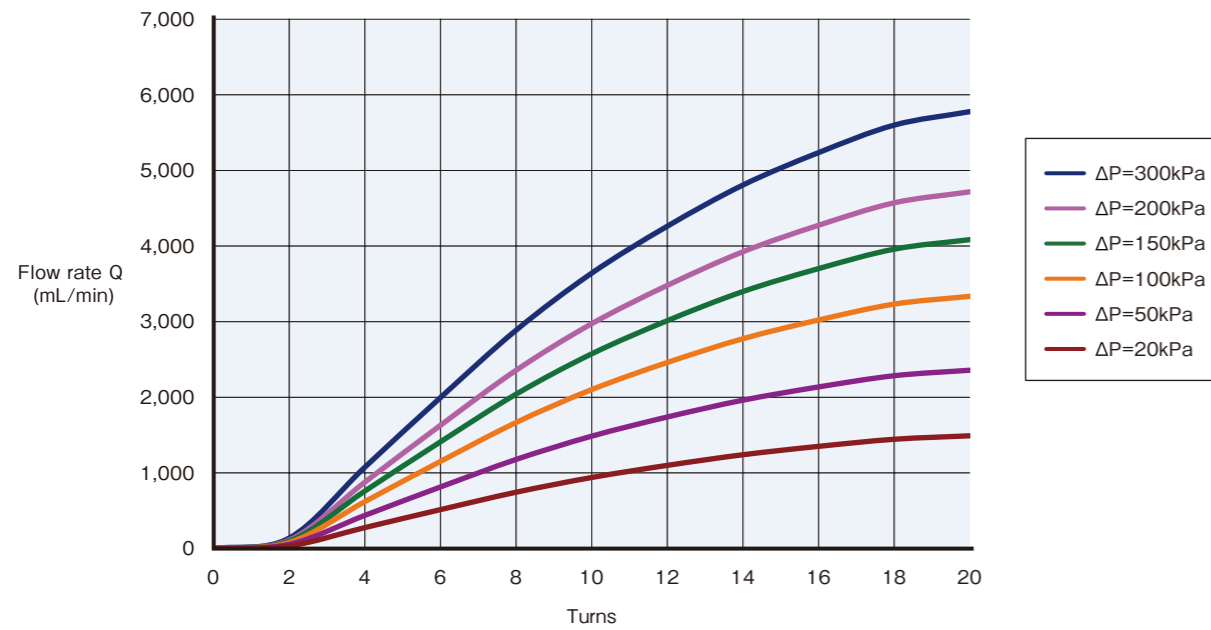
NP310A-2ACB-302



NP310A-2ACB-* (Flow Characteristics-4)

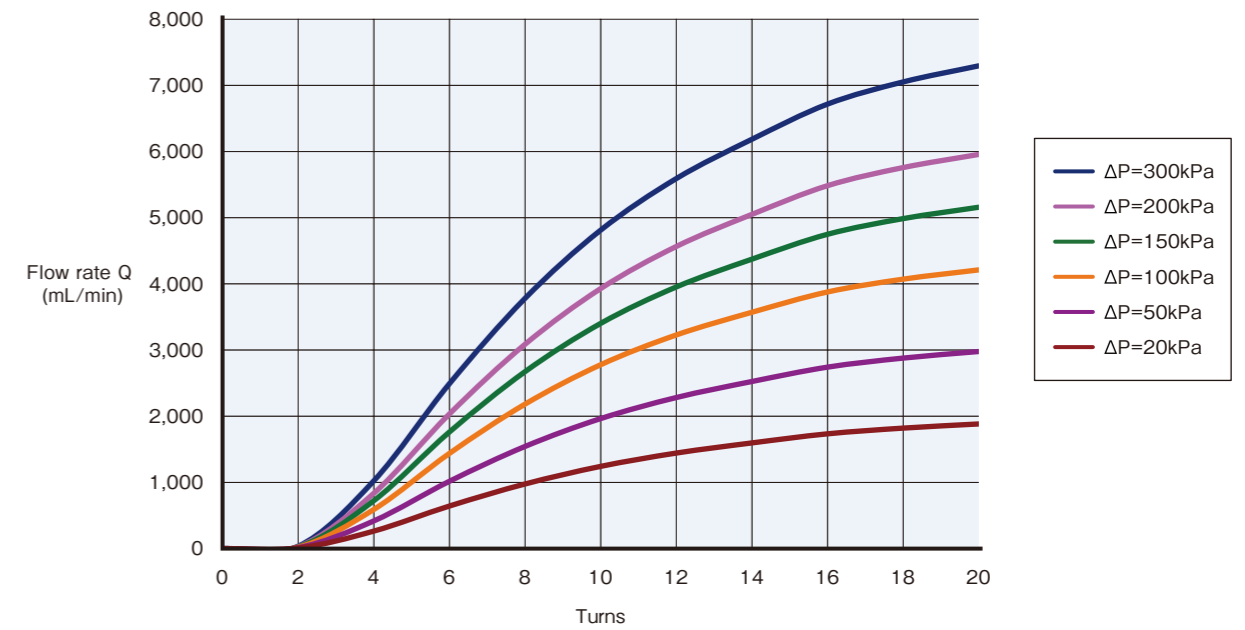
Applicable Media	DI Water(25°C)
Ambient Temperature	25°C

NP310A-2ACB-401



Applicable Media	DI Water(25°C)
Ambient Temperature	25°C

NP310A-2ACB-402



High Precision Metering Valve

NP370A-3CB-*



Specifications

Model Code	See Model Selection Table
Connection Size	(I.D.×O.D.) 6.35×9.53 [mm]
Flow Characteristics	See Flow Characteristics
Applicable Media	DI Water, Corrosive Fluid
Media Pressure	A→B: 0~0.5MPa
	B→A: 0~0.5MPa
Media Temperature	15~90°C
Ambient Temperature	10~60°C
Wetted Material	Diaphragm: PTFE
	Valve Body: PFA

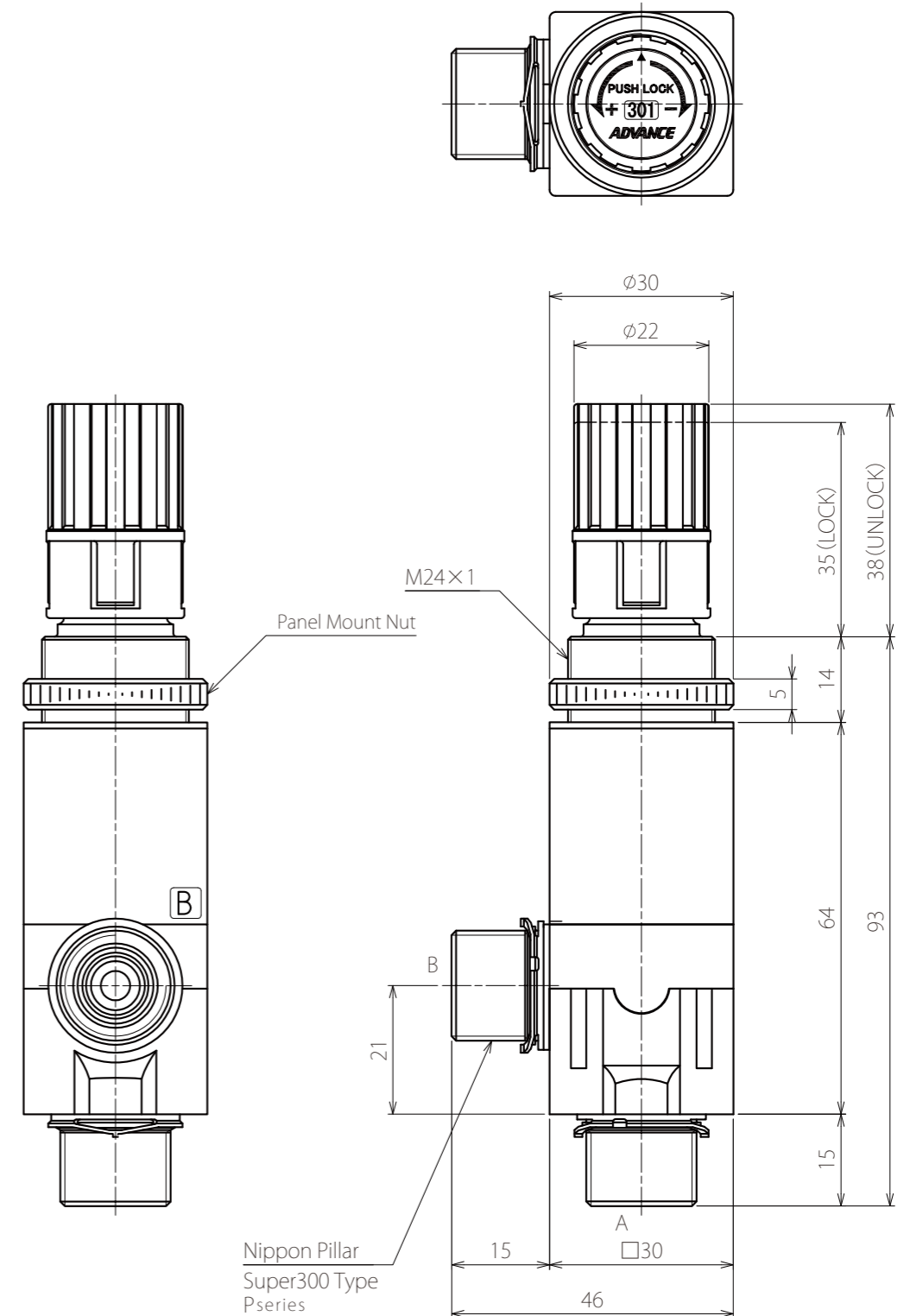
*Specifications are subject to change without notice.

Model Selection Table

NP370A-3CB-*

Flow Range:
Multiple orifice sizes to select from to fine-tune flow in the desired flow range. See flow charts for details.

Dimensional Drawing

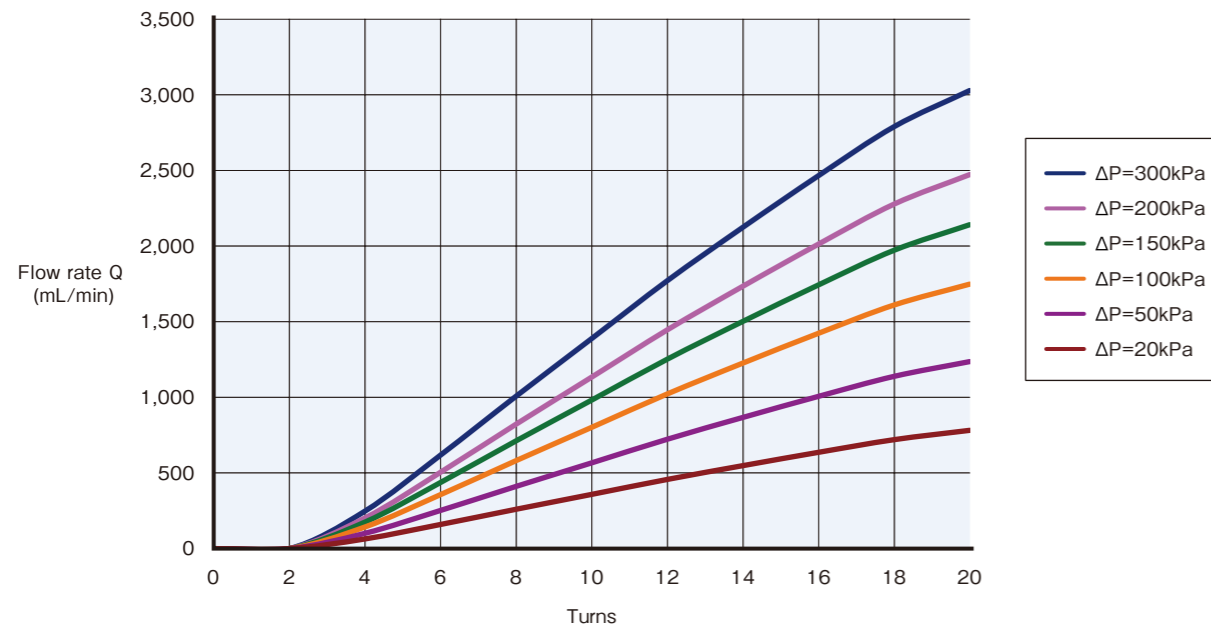


(unit : mm)

NP370A-3CB-* (Flow Characteristics-1)

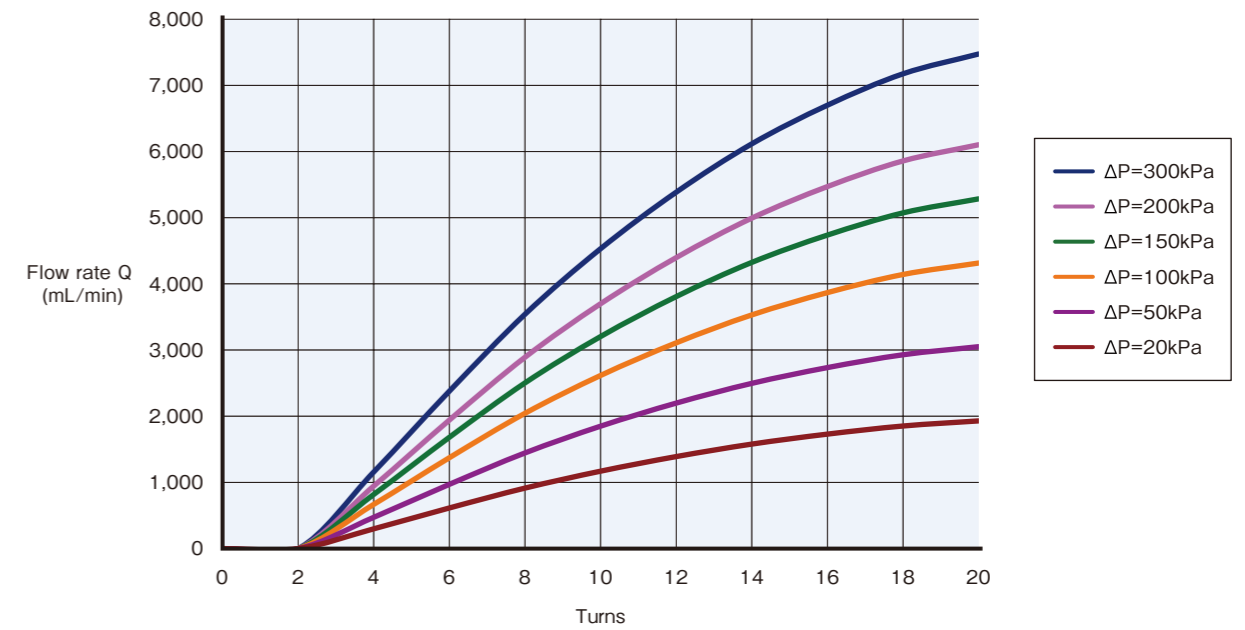
Applicable Media	DI Water(25°C)
Ambient Temperature	25°C

NP370A-3CB-301

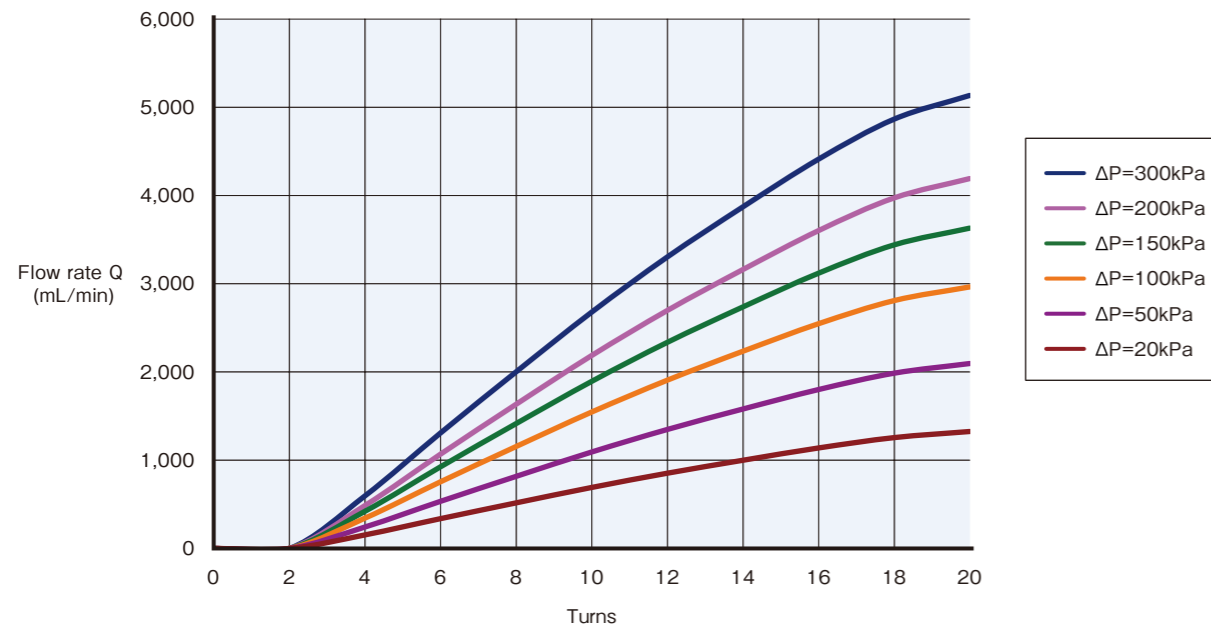


Applicable Media	DI Water(25°C)
Ambient Temperature	25°C

NP370A-3CB-303



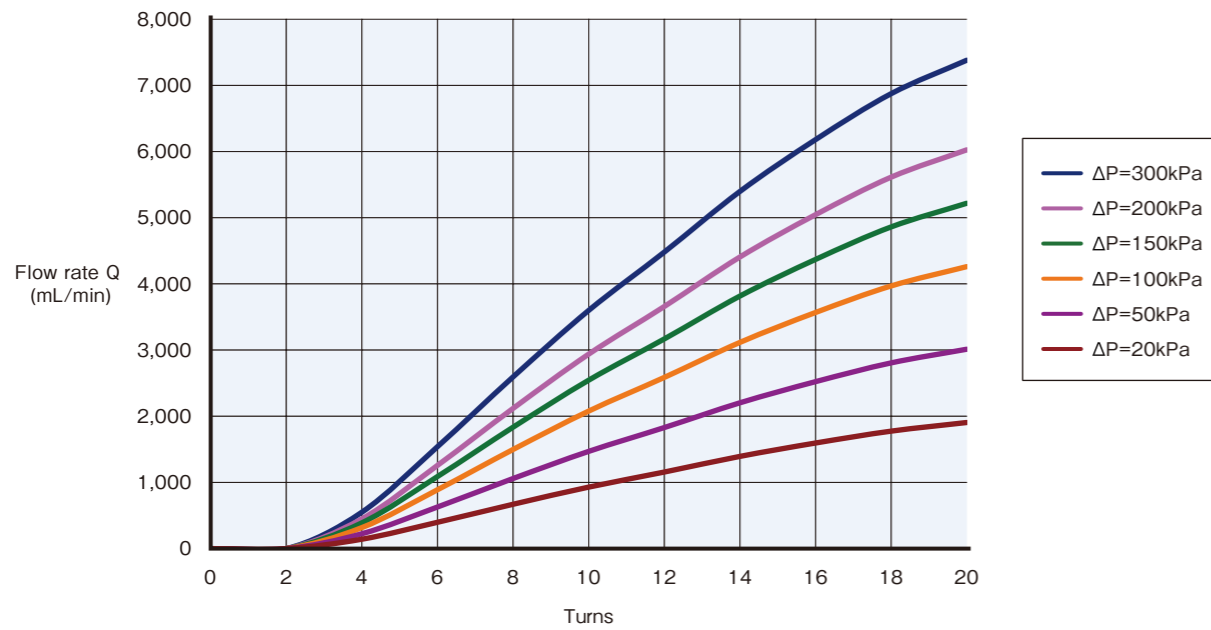
NP370A-3CB-302



NP370A-3CB-* (Flow Characteristics-2)

Applicable Media	DI Water (25°C)
Ambient Temperature	25°C

NP370A-3CB-401



Applicable Media	DI Water (25°C)
Ambient Temperature	25°C

NP370A-3CB-402

