



Contact our sales office for delivery dates and prices as this is a special model.

SP134X-016E

P: RW

SMC P.G.Information (Specialized Product)

SMC Corporation
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URL: <http://www.smcworld.com>

Large Size Booster Relay / XT240

■ Features :

Speeding up operation of large actuators!

* Usable when an operation speed faster than IL100 (a standard booster relay) is required.

Pickup !

	XT240	IL100 (Standard)
Appearance		
Cv factor	3	1.1
Port size (SUP, OUT)	Rc1	Rc1/4, Rc3/8

■ How to Order

◇ XT240

XT240 - ※

Temperature Specifications ●

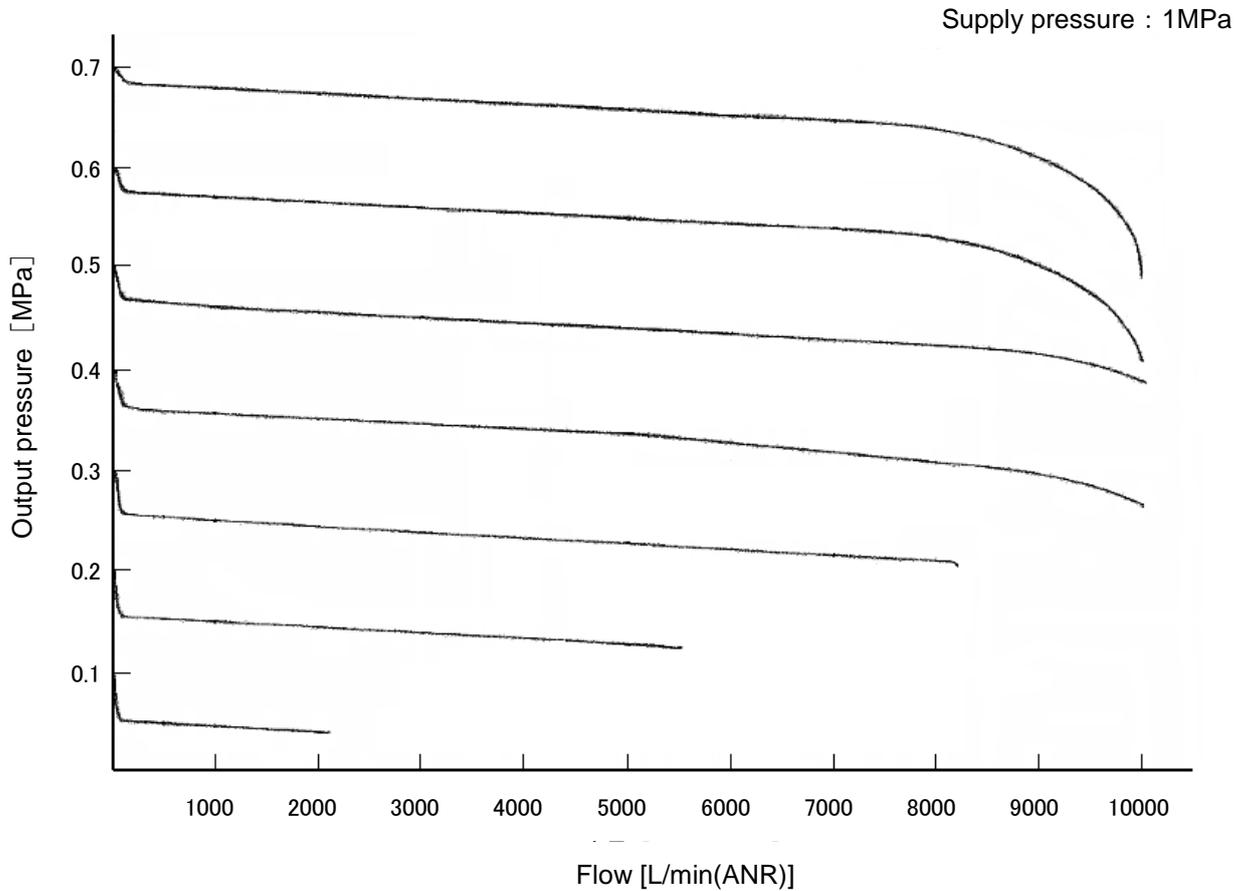
	Temperature specifications	Thread type
1	For general environments (-5 to 60°C)	Rc
2	For high temperature environments (-5 to 100°C)	Rc
1-NX	For general environments (-5 to 60°C)	NPT

Note) Please consult SMC when NPT specifications for high temperature environments are required.

■ Specifications

Supply pressure	Max. 1.0MPa
Signal pressure	Max. 0.7MPa
Air consumption	10 L/min (ANR) or less (OUT: At 0.7MPa)
Linearity	Within $\pm 5\%$
Hysteresis	Within 2%
Cv factor	3
Ambient and fluid temperature	-5 to 60°C (For general environments) -5 to 100°C (For high temperature environments)
Port size	Rc1/4(IN), Rc1(SUP,OUT)
Weight	1.2 kg

■ Flow characteristics

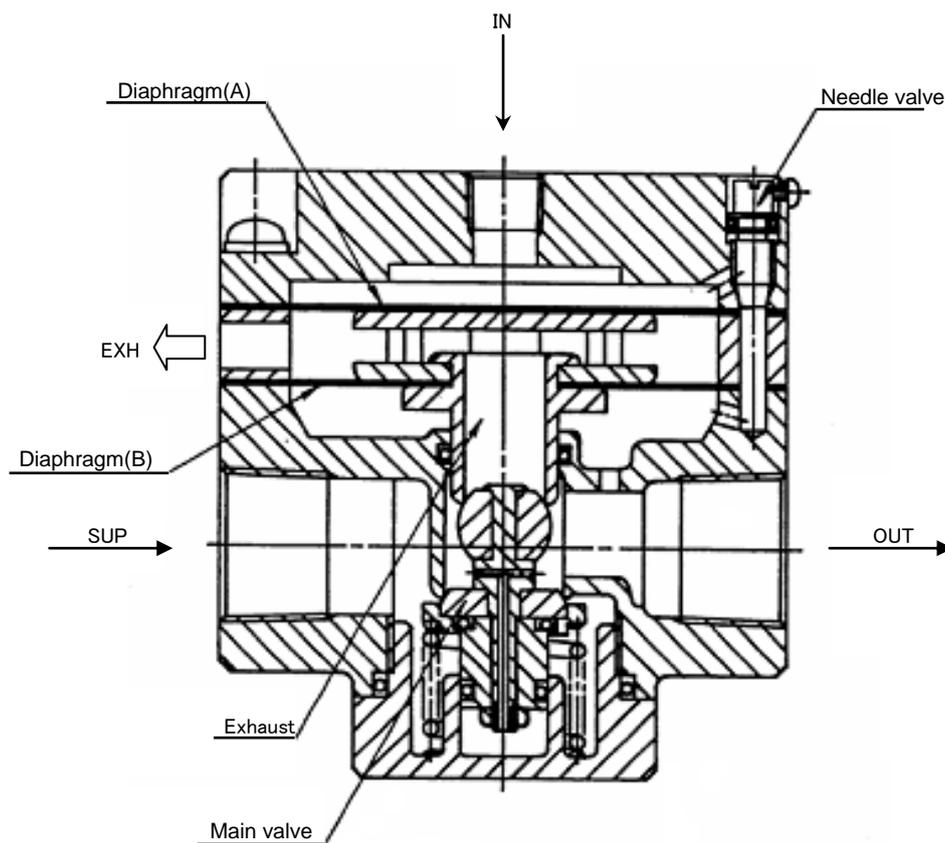


■ Operation principle:

The booster relay is designed to balance forces of input and output pressures through a diaphragm and applicable when a large actuator is used. The output pressure equivalent to the input pressure is used to amplify a flow rate and accelerate the driving speed.

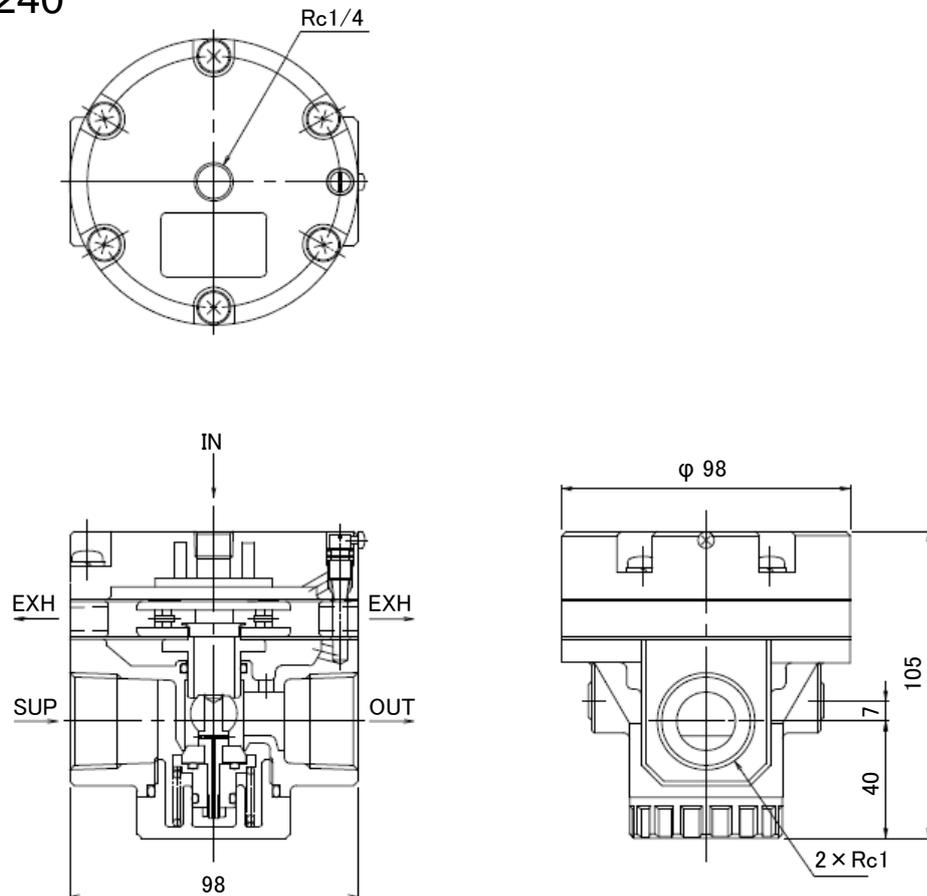
The input pressure from a gauge affects diaphragm (A), opens the main valve and the air pressure flows from the supply side to the output side. The pressure that flows in affects diaphragm (B), increases to the pressure equivalent to the inlet pressure and is changed to the output pressure.

When the generative force from the output pressure is stronger than that from the inlet pressure, the main valve closes, exhaust port opens and the output pressure is exhausted until the output pressure balances with the outlet pressure.



■ Dimensions (mm)

◇ XT240



■ Related Products:

◇ Booster Relay IL100 Series



Supply pressure	Max. 1.0MPa
Signal pressure	Max. 0.7MPa
Air consumption	3 L/min (ANR) or less (OUT: At 0.1 MPa)
Linearity	Within $\pm 1\%$
Hysteresis	Within 1%
Cv factor	1.1
Ambient and fluid temperature	-5 to 60°C
Port size	Rc1/4(IN), Rc1/4, 3/8(SUP,OUT)
Weight	560g



Caution To ensure the safest possible operation of this product, please be sure to thoroughly read the "Safety Instructions" in our "Best Pneumatics" catalog before use.