

DESCRIPTION OF SPARE PARTS KIT



EL 8310-K EN

Translation of original instructions

This description of the spare parts kit does **not** replace the mounting and operating instructions for the pneumatic actuator. Observe the safety instructions as well as the warnings and caution notes specified in the mounting and operating instructions.

Identification




The spare parts kit contains original spare parts for SAMSON Type 3271 and Type 3277 Actuators.

The parts are specified in detail at the back of this document.

General information on use

- Service work must only be performed by personnel appropriately qualified to carry out such work.
- Only perform the service work as described in the Mounting and Operating Instructions EB 8310-x. The product warranty becomes void if service work not described in these instructions is performed without prior agreement by SAMSON's After-sales Service.
- Only use original spare parts by SAMSON, which comply with the original specifications.

The following documents are required for servicing the pneumatic actuator:

	Mounting and Operating Instructions EB 8310-x for the actuator: ▶ https://www.samsongroup.com/en/service-support/downloads/documentation/ and enter the EB document number ¹⁾
	Spare Parts List EL 8111-x for the valve: ▶ https://www.samsongroup.com/en/service-support/downloads/documentation/ and enter the EL document number ¹⁾
	Application Notes AB 0100: Servicing SAMSON Products ▶ https://www.samsongroup.com/document/e01000en.pdf

¹⁾ Documentation for Type 3271 and Type 3277 Actuators:

Actuator area	EB number	EL number
120 cm ²	EB 8310-1	EL 8310-1
175 cm ²	EB 8310-5	EL 8310-5
240 cm ²	EB 8310-6	EL 8310-6
350 cm ²	EB 8310-5	EL 8310-5
355 cm ²	EB 8310-4	EL 8310-4
700 cm ²	EB 8310-6	EL 8310-6
750 cm ²	EB 8310-5	EL 8310-5

Contents of the spare part kits (see Fig. 1)

Type 3271 and Type 3277 120 cm ² actuator area Material no.: K100077656
<ul style="list-style-type: none">- Diaphragm * Item 4- Collar nut * Item 15- Vent plug * Item 16- Radial shaft seal * Item 40- Wiper ring * Item 41- Dry bearing * Item 42- Seal * Item 206- Filter * Item 207 (for Type 3277 only)
Others:
<ul style="list-style-type: none">- Pair of nylon gloves with nitrile micro-foam coating (PPE category II)- Self-stick note pad- Pen

Type 3271 and Type 3277 175 cm ² actuator area Material no.: K100077654, K100077663
<ul style="list-style-type: none">- Diaphragm * Item 4- Vent plug * Item 16- O-ring * Item 17- Radial shaft seal * Item 40- Wiper ring * Item 41- Dry bearing * Item 42
Others:
<ul style="list-style-type: none">- Pair of nylon gloves with nitrile micro-foam coating (PPE category II)- Self-stick note pad- Pen

Type 3271 and Type 3277 240 cm ² actuator area Material no.: K100077655, K100077662
<ul style="list-style-type: none">- Diaphragm * Item 4- Hose clamp * Item 6- Collar nut * Item 15- Vent plug * Item 16- Radial shaft seal * Item 40- Wiper ring * Item 41- Dry bearing * Item 42
Others:
<ul style="list-style-type: none">- Pair of nylon gloves with nitrile micro-foam coating (PPE category II)- Self-stick note pad- Pen

Type 3271 and Type 3277 350 cm ² actuator area Material no.: K100077658
<ul style="list-style-type: none">- Diaphragm * Item 4- Hose clamp * Item 6- Collar nut * Item 15- Vent plug * Item 16- Rubber pads * Pos. 19- Radial shaft seal * Item 40- Wiper ring * Item 41- Dry bearing * Item 42
Others:
<ul style="list-style-type: none">- Pair of nylon gloves with nitrile micro-foam coating (PPE category II)- Self-stick note pad- Pen

Type 3271 and Type 3277

355 cm² actuator area

Material no.: K100077657

- Diaphragm * Item 4
- Collar nut * Item 15
- Vent plug * Item 16
- Radial shaft seal * Item 40
- Wiper ring * Item 41
- Dry bearing * Item 42

Others:

- Pair of nylon gloves with nitrile micro-foam coating (PPE category II)
- Self-stick note pad
- Pen

Type 3271 and Type 3277

700 cm² actuator area

Material no.: K100077660

- Diaphragm * Item 4
- Hose clamp * Item 6
- Collar nut * Item 15
- Vent plug * Item 16
- Compressor * Item 19
- Radial shaft seal * Item 40
- Wiper ring * Item 41
- Dry bearing * Item 42

Others:

- Pair of nylon gloves with nitrile micro-foam coating (PPE category II)
- Self-stick note pad
- Pen

Type 3271 and Type 3277

750 cm² actuator area

Material no.: K100077661

- Diaphragm * Item 4
- Vent plug * Item 16
- O-ring * Item 17
- Radial shaft seal * Item 40
- Wiper ring * Item 41
- Dry bearing * Item 42

Others:

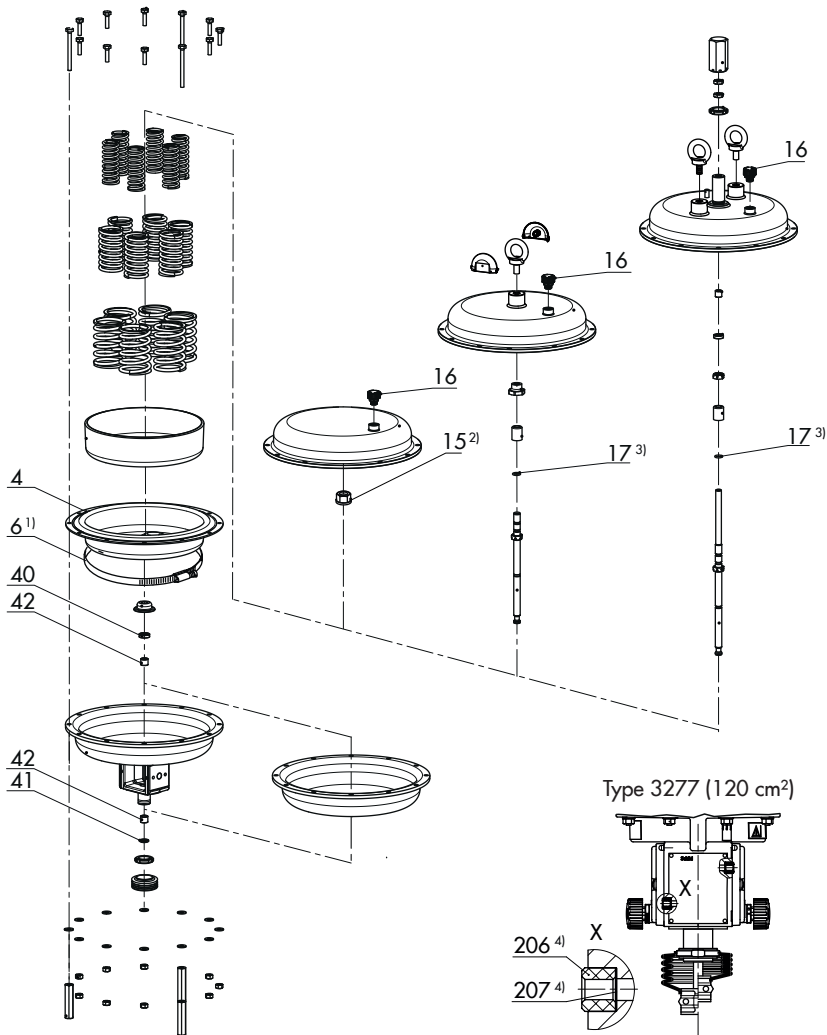
- Pair of nylon gloves with nitrile micro-foam coating (PPE category II)
- Self-stick note pad
- Pen

⚠ WARNING

Risk of personal injury due to residual process medium in the valve.

The supplied gloves meet category II requirements for PPE. They protect against mechanical hazards (e.g. cuts, crushing, severe abrasion). They are not designed to protect against chemicals, heat or extreme cold.

➔ *Do not use the supplied gloves if hazards posed by residual medium in the valve cannot be ruled out. In this case, use other gloves (not included in the scope of delivery) which provide appropriate protection.*



- 1) Only for Type 3271/3277 with 240, 350 or 700 cm² actuator area
- 2) Only for Type 3271/3277 with 120, 240, 350, 355 or 700 cm² actuator area
- 3) Only for Type 3271/3277 with 175 or 750 cm² actuator area
- 4) Only for Type 3277 with 120 cm² actuator area

Fig. 1: Supplied spare parts

Table 1: Spare parts kits and actuator versions

Material no.	Type	Actuator area	Diaphragm material	Pneumatic connection	Travel stop	Manual operation	Control medium	Dust shield	Lubricant
K100077654	3271	175 cm ²	NBR	G 1/4	Without	Without	Air	Without	Standard
K100077655	3271	240 cm ²	NBR	–	Without	Without	Air	Without	Standard
K100077656	3271, 3277	120 cm ²	NBR	G 1/8	Without	Without	Air	Without	Standard
K100077657	3271, 3277	355 cm ²	NBR	–	Without	Without	Air	Without	Standard
K100077658	3271, 3277	350 cm ²	NBR	–	Without	Without	Air	Without	Standard
K100077660	3271, 3277	700 cm ²	NBR	–	Without	Without	Air	Without	Standard
K100077661	3271, 3277	750 cm ²	NBR	G 3/8	Without	Without	Air	Without	Standard
K100077662	3277	240 cm ²	NBR	G 1/4	Without	Without	Air	Without	Standard
K100077663	3277	175 cm ²	NBR	G 1/4	Without	Without	Air	Without	Standard

