

1. Limit switches

Size 1-5 actuators can be equipped with side mounted end position indicators NAF 799949. All sizes (0-5) can be equipped with the limit switch box NAF 799949/41 or top mounted switches NAF 799942/43.

See Fk 79.10GB

2. Manual operating device

An extra-long screw which is fitted instead of the end stop is available for all sizes (0 - 5) for manual operation in the event of loss of compressed air supply. This screw should preferably be stored in the vicinity of the actuator for use whenever needed.

Note! The manoeuvre shall only be done without air supply.

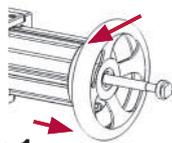
Part No.	Intended for actuator
349 06 240	791290/92/94-0
349 06 241	791290/92/94-1
349 06 242	791290/92/94-2
349 06 243	791290/92/94-3
349 15 000	791290/92/94-4
349 15 001	791290/92/94-5

3. Permanently mounted emergency lever

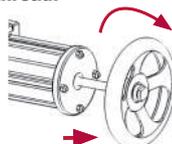
For actuator size 0-3 also available in version with handwheel and long screw, intended for permanent mounting on NAF-Turnex. This screw is also endstop and must be restored to its original position and locked with the handwheel after the emergency operation.

Note! The manoeuvre shall only be done without air supply.

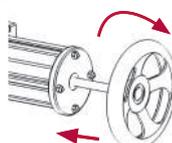
Part No.	Lever diam.	Intended for act.
799959-0	100	791292/94-0
799959-1	160	791292/94-1
799959-2	200	791292/94-2
799959-3	315	791292/94-3



Step 1
Unfasten the handwheel by turning it CCW to the end of the thread.



Step 2
Move it to the other thread and turn it CW.



Step 3
The actuator can be operated when the thread reaches the bottom.

4. Stem sleeves

Stem sleeves that can be supplied separately are available for actuator sizes 1 - 3. The part numbers of the stem sleeves are as follows:

Actuator size	Intended for stem (mm) diam.	Part No.
791290/92/94-1	16, without keyway	733 94 170
	16	333 94 170
	20	333 94 160
	25	333 94 150
791290/92/94-2	16, without keyway	733 94 360
	16	333 94 360
	20	333 94 370
	25	333 94 380
	30	333 94 390
	35	333 94 400
	40	333 94 410
791290/92/94-3	25, without keyway	733 69 420
	25	322 69 420
	30	322 69 430
	35	322 69 440
	40	322 69 450
	45	322 69 460
	50	322 69 470

5. Valve positioners for large actuators

In order to reduce the operating times of size 4 and 5 actuators, NAF has a valve positioner with larger control valve and larger airways, which results in appreciably higher air capacity. The product codes of these positioners are 370215 (pneumatic) and 370305 (electro-pneumatic). See Fk41.82.

6. Stainless steel pipes between actuator and positioner

Stainless steel pipes and couplings are available for use between NAF Turnex actuators and NAF valve positioners.

For valve positioner 370210/15, 370300/05 see FkP 41.82-1.

For valve positioner 370991 se FkP 41.85-1.

7. Long end stop screw

The actuators can be supplied with an extra long end stop screw to limit the valves opening and/or closing angle. The angle should be specified.

The product code should be supplemented with the X- number.

8. Screws in A4

The product code should be supplemented with an S, to be placed after the size.

Example: 791290-1220S



9. Mechanical locking device 799950

Mechanical locking device 799950 shown in figure 1 can be fitted between the valve and actuator to lock the valve mechanically in the closed or open position. Four suffix numerals specify the version as follows:

799950 - 1 0 25
Code 1 2 3

1. 0 to 5 specifies the actuator size
2. 0 = Locked in the closed position. Actuator mounted across the run of pipe
 1 = Locked in the open position. Actuator mounted across the run of pipe
 2 = Locked in the closed position. Actuator mounted in line with the run of pipe
 3 = Locked in the open position. Actuator mounted in line with the run of pipe
3. Valve stem diameter, mm.

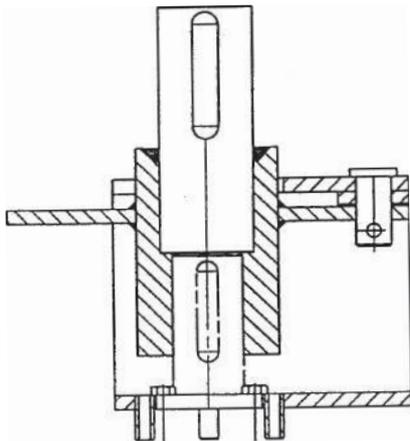


Fig. 1

10. Pneumatic actuator 791292-45XX

This size is to bridge between actuator sizes 791392-42XX and 791392-52XX.

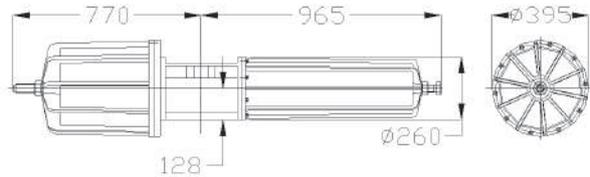
The actuator consist of:

- Centre section (pos. 4-6, 8, 9, 11-15 acc. to Fk74.59GB from 79139X-42XX actuator)
- Spring cylinder unit (pos. 3, 21-28 acc. to Fk74.59GB) is the same as for 791392-42XX actuator.
- Air cylinder part (pos. 3, 16, 17, 19, 20, 29, 30 acc. to Fk74.59GB) is the same as for 791390-52XX

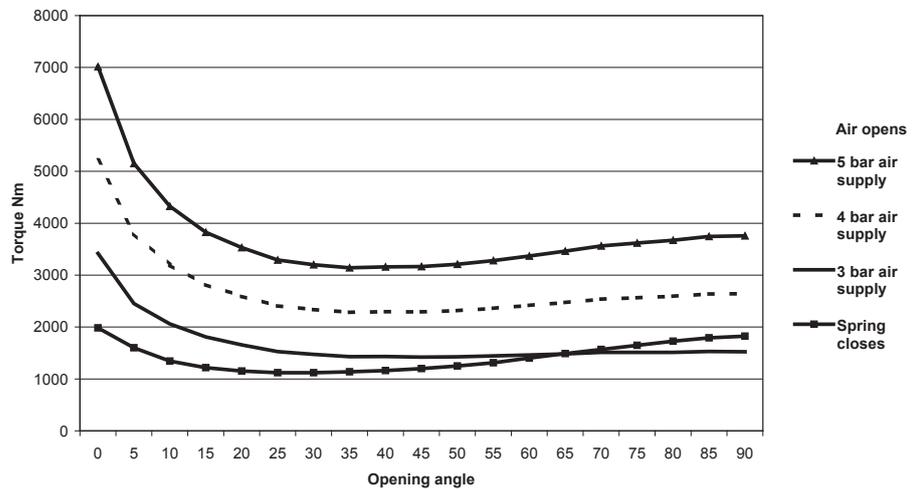
The air cylinder is mounted to the centre section with a for actuator 791392-45XX unique medium plate.

Spare parts are specified in Fi74.59AGB under chapter 5, for corresponding 42- and 52 actuator.

Survey picture 791392-45XX actuator



Torque diagram for 791392-45xx at supply of 5 bar overpressure



11. Temperature below -30°C

For temperature down to -40°C the actuators can be supplied with special seals/ pistons. The product code should be supplemented with an A, to be placed after the size.

12. Declutchable manual override

For manual operation, a declutchable actuator can be mounted between the valve and the pneumatic actuator. Contact NAF for further information.

13. Parallel mounting of actuator in pipeline

NAF-Turnex can be supplied for parallel mounting in pipeline. Size 0 with special cover and size 1-5 with intermediate plate.

Example: 791290-1220L