



# Knockers «FKL in» and «FKL si»

## Variable impact force and interval.

### Properties

- «FKL in»: Single or interval impact mode, «FKL si» only single-impact mode
- «FKL in»: Variable impact force and interval
- «FKL si»: Single impact mode. Impact force can be set pneumatically and interval can be set mechanically
- Lubrication-free
- Flexible range of application
- Can be used up to 85°C, HT version up to 150°C and LT version down to -40°C on request

### Field of application

Broad field of application. Knocking off adhering material from container walls such as silos, chutes, filter outlets, reactors and pipelines.

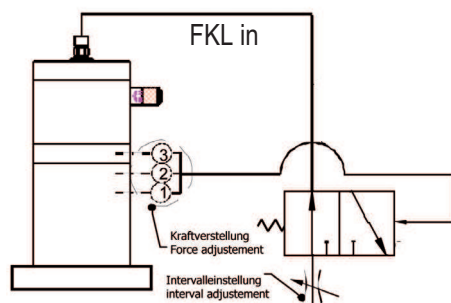
### Construction

A piston is forced against a spring by compressed air. With rapid venting, the piston closes against a baffle plate. (Model si: mechanical impact regulation by restricting the piston stroke by means of an insertable threaded rod.) Knocker housing made of aluminium, baffle plate made of impact-resistant special plastic.

#### Interval impact mode

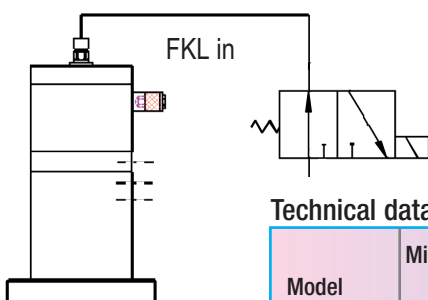
The impact depends on the interval time which is set by means of a throttle valve.

The force is adjusted by the three control bores 1 - 3.

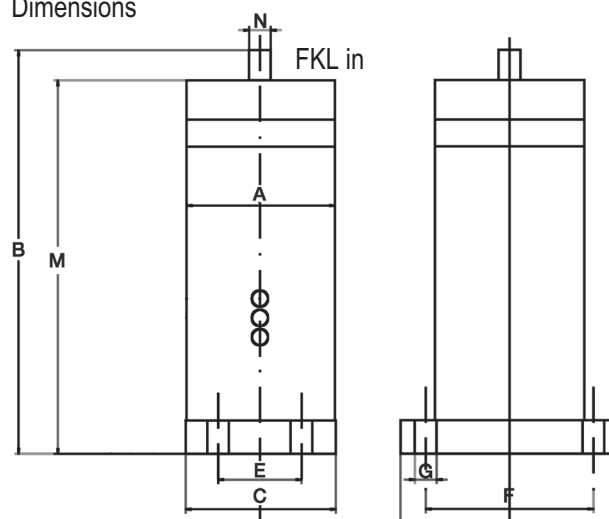


#### Single impact mode

The impact is triggered immediately after the 3/2-way valve switches. Several knockers can be switched in parallel.



Dimensions



Dimensions in mm

Model	A	B	C	D	E	F	G	M	N
FKL- 25 in	∅ 52	170	53	88	-	70	9	153	13
FKL- 50 in	∅ 64	194	66	115	-	90	13	177	13
FKL-100 in	∅ 89	242	90	130	50	100	13	224	13
FKL-150 in	∅ 118	330	-	∅ 140	-	∅ 115	13	310	13
FKL 200 si	∅ 143	410	-	∅ 180	-	∅ 152	17	-	13

#### Technical data

Model	Min. op. Pressure (bar) Control bores No			Work/Impact Nm	Impulse/Impact Ns	Stroke vpm	Air consumption l/min	For wall thick- nesses up to mm	Weight kg
	①	②	③						
FKL-25 in	3.0	4.5	6.5	1 - 5	0.5 - 1.0	max. 10	0.07 - 0.2	2	1.03
FKL-50 in	3.0	4.5	6.5	5 - 15	1 - 3.5	max. 10	0.1 - 0.3	3	1.85
FKL-100 in	4.0	5.0	6.5	10 - 50	1 - 10.5	max. 10	0.5 - 1.1	5	4.5
FKL-150 in	5.3	6.7	8.0	50 - 140	1 - 29.0	max. 10	1.2 - 2.0	8	9.5
FKL-200 si		7.5		100 - 200	1 - 57.5	max. 10	2.2 - 3.3	12	14.8