

Fast closing cylinder

HAZ 148-0065-250-030-0B



Features

- Extremely lightweight construction
- 1/2" connection cables
- Outer seal packs easily replaceable

Technical Details

Cylinder Bore- ϕ	250	mm
Piston rod- ϕ	30	mm
Hub	65	mm
Piston area	483,8	cm ²

Force hydr. hydr. (s=0)	26700	N
Force hydr. hydr. (s=max)	3700	N
Spring Force (s=0)	12000	N
Spring Force (s=max)	23000	N
Closing time (65 mm)	< 200	msek

Nominal pressure	8	bar
Max. pressure	16	bar
Max. tank pressure	1	bar
Max. oil temperature	60	°C
Leakage	1	l/min
Max. ambient temperature	80	°C
Weight	ca. 75	kg
Connection line	G1/2	"
Medium	Mineral oil ISO VG 46	

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2022/01_1090156



Servomotion

Servo Control Parts

for low-pressure hydraulics

Control cylinder

HAZ 146-0050-100-030-WG0A



Features

- Built-in travel sensor for position detection
- Outer seal packs easily replaceable
- Max. travel easily adjustable with HE 303 control electronics

Technical Details

Cylinder Bore- ϕ	100	mm
Piston rod- ϕ	30	mm
Hub	50	mm
Piston area	71,5	cm ²

Force hydr., hydr. (s=0)	2390	N
Force hydr., hydr. (s=max)	1788	N
Spring Force (s=0)	2500	N
Spring Force (s=max)	1900	N
Closing time (65 mm)	< 400	msek

Nominal pressure	8	bar
Max. pressure	16	bar
Max. tank pressure	1	bar
Max. oil temperature	60	°C
Leakage	1	l/min
Max. ambient temperature	80	°C
Weight	ca. 55	kg
Medium	Mineral oil ISO VG 46	

Accessories for controlcylinder

servo valve HVM 068



Features

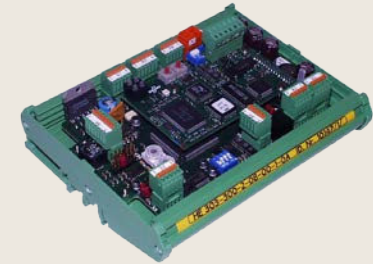
- high operational reliability
- simple service
- robust design
- high dynamics
- relatively insensitive to impurity
- hydraulic zero point adjustment possible

Technical Details

Nominal Pressure	10	bar
Max. pressure	100	bar
Return line pressure	1	bar
Rated flow 35 bar	30/50/65	l/min
Rated flow	< 2	%
Hysteresis	< 3	%
Threshold sensitivity	< 0,2	%
Threshold span	< 1	%
Linearity deviation	< 8	% IN
Overlap, Standard	-1 bis +3	%
Operating temperature range	253 → 343	K
Temperature drift	< 2	% IN / 50 K
Viscosity range of fluid	10 ... 1000	mm ² /s
Fluid standard	ISO VG 10 → 46	
Filtration (Recommended)	ISO4406 Kl. 15/14/11	
Nominal Pressure	10	bar
Max. pressure	100	bar
Return line pressure max.	1	bar
Medium	Mineral oil ISO VG 46	

Accessories for control cylinders

Digital PID-Controller HE 303

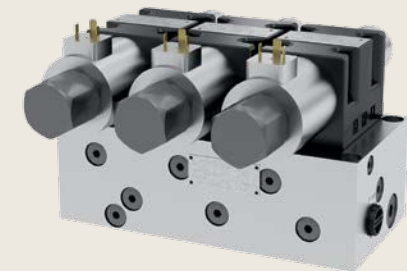


Features

- Power supply unipolar 24 V DC
- 4 x Analogue input with 12 bit A/D conversion
- 2 x Analogue Output with 12 bit A/D conversion
- 1 x onboard amplifier for servo valves
- 4 x digital input 24 V with optocoupler
- 4 x digital output 24 V max 200mA
- optional onboard bus-system

Accessories for fast-closing cylinder

2 from 3 functional block HZ 122-0B



Features

- 3 position-monitored switching valves
- Function check of the individual valves possible during operation