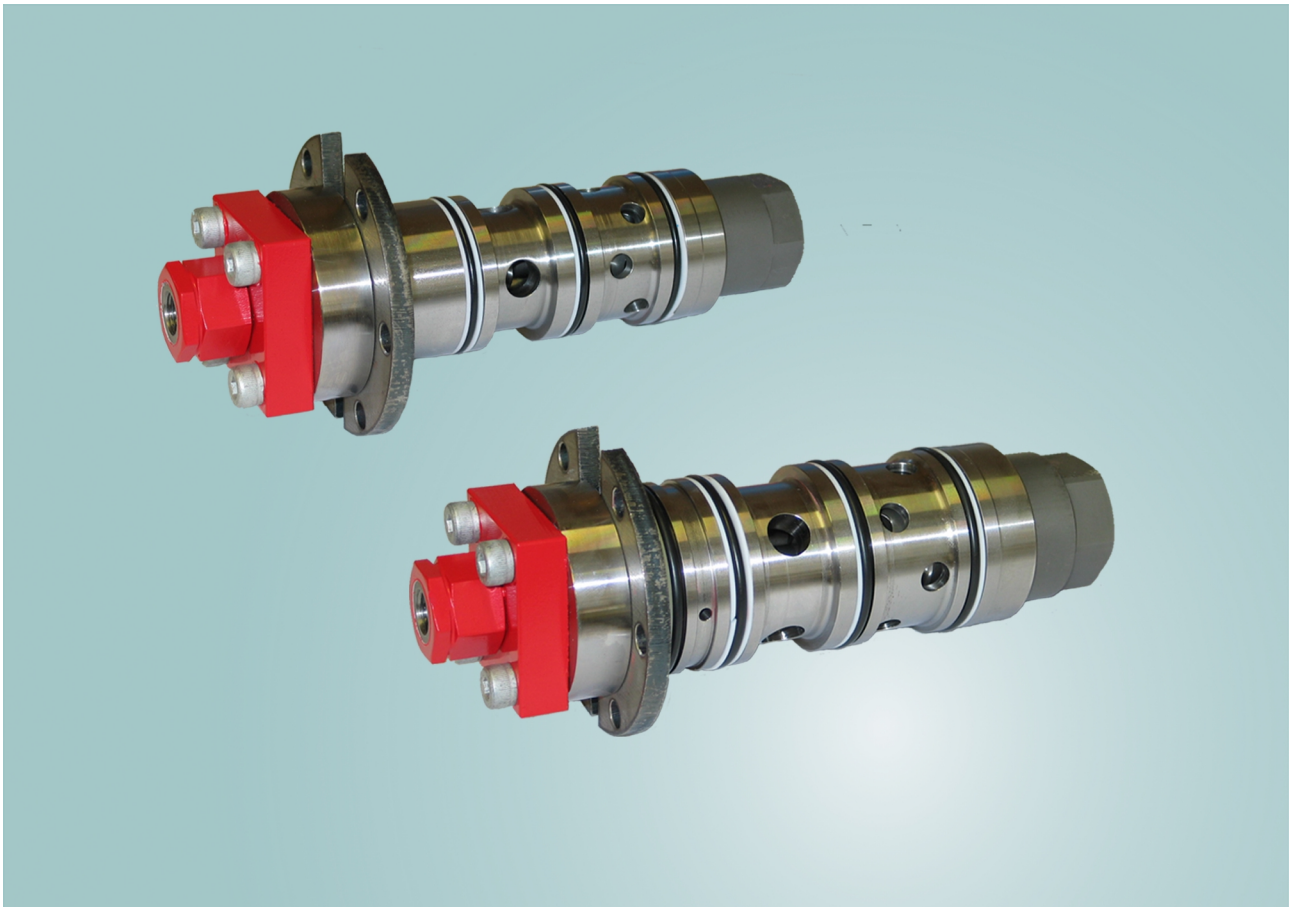


Safety for Hydraulics “Cindy” Leak-free Load Control Valves, Cartridge Design



motion and progress

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1. Selection table for Cindy B series, type C

X = catalogue cartridge valves

Flow rate [l/min]	Interface	Pilot pressure dependent on back-pressure	Pilot pressure independent of back-pressure	Catalogue data sheet / page nos.
Cindy 20-B-C to 350 [l/min.]	Bucher standard	X		sect. 2., p.4
			X	sect. 3., p.8
Cindy 25-B-C to 500 [l/min.]	Bucher standard	X		sect. 4., p.12
			X	sect. 5., p.16

2. Description Cindy-20-B-C...-A-...-

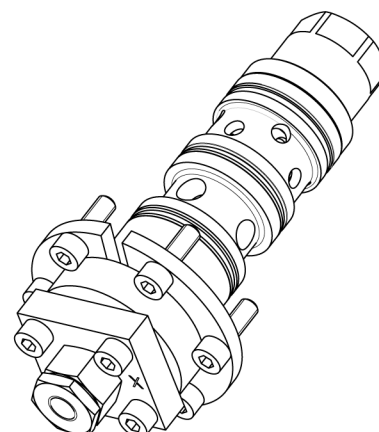
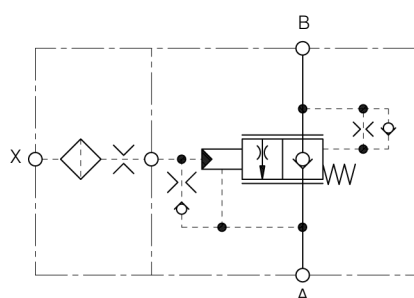
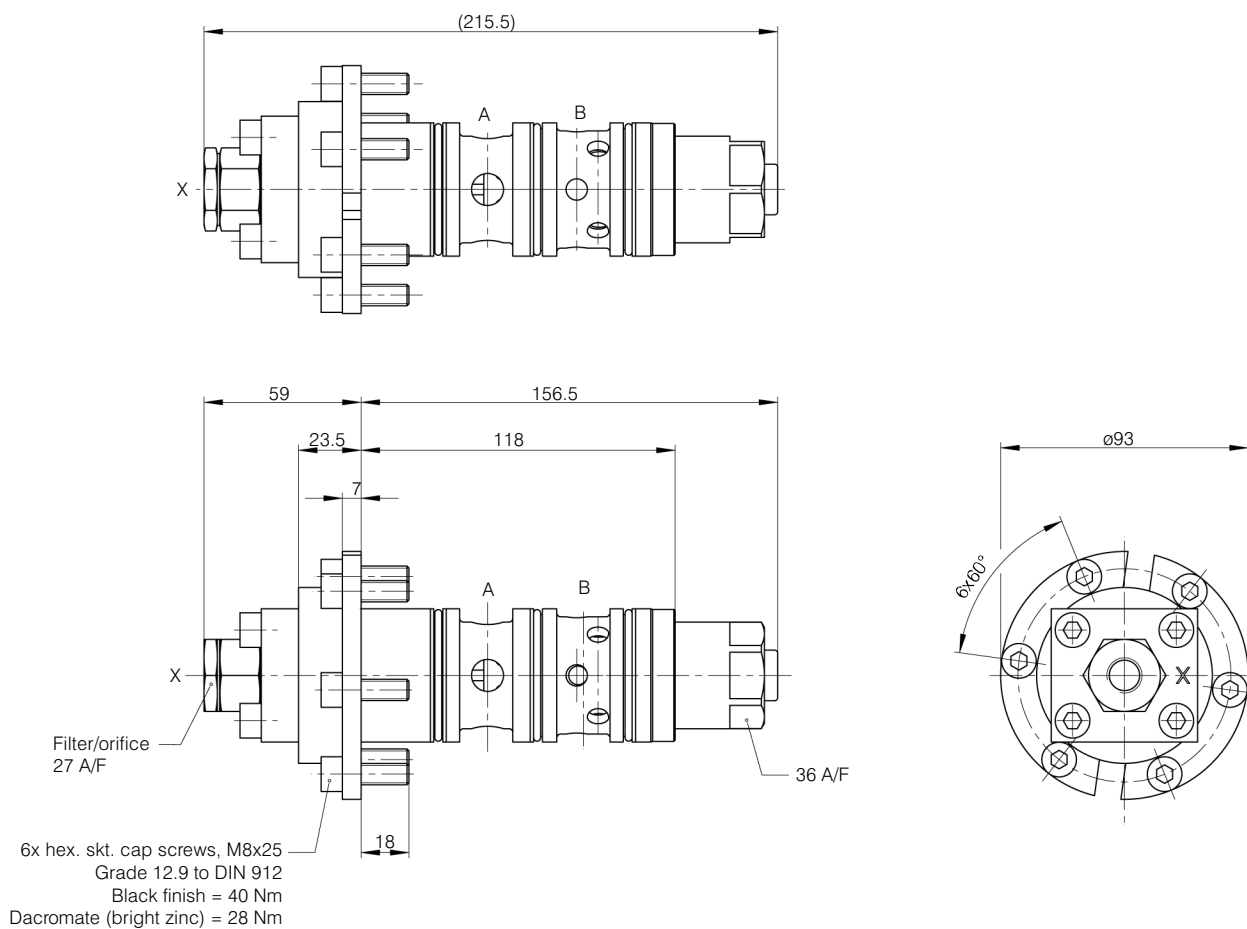
2.1 Port sizes / weight

Port	Port size
A, B	max. $\varnothing 20$
X	G 1/4"

For tightening torques, see Cindy General Information leaflet, section 6.

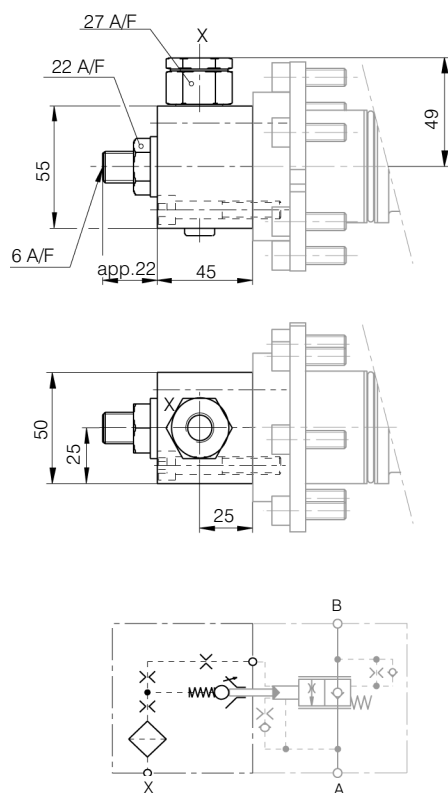
Weight: approx. 2.6 kg

2.2 Standard model

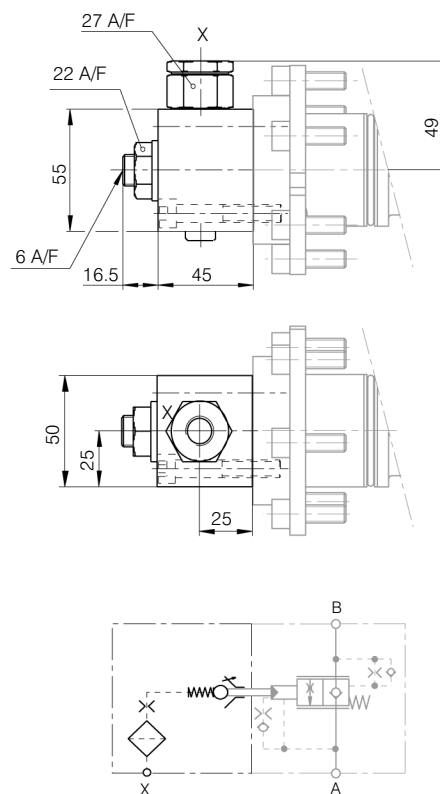


2.3 Pilot-control variants (each can be rotated through 180°)

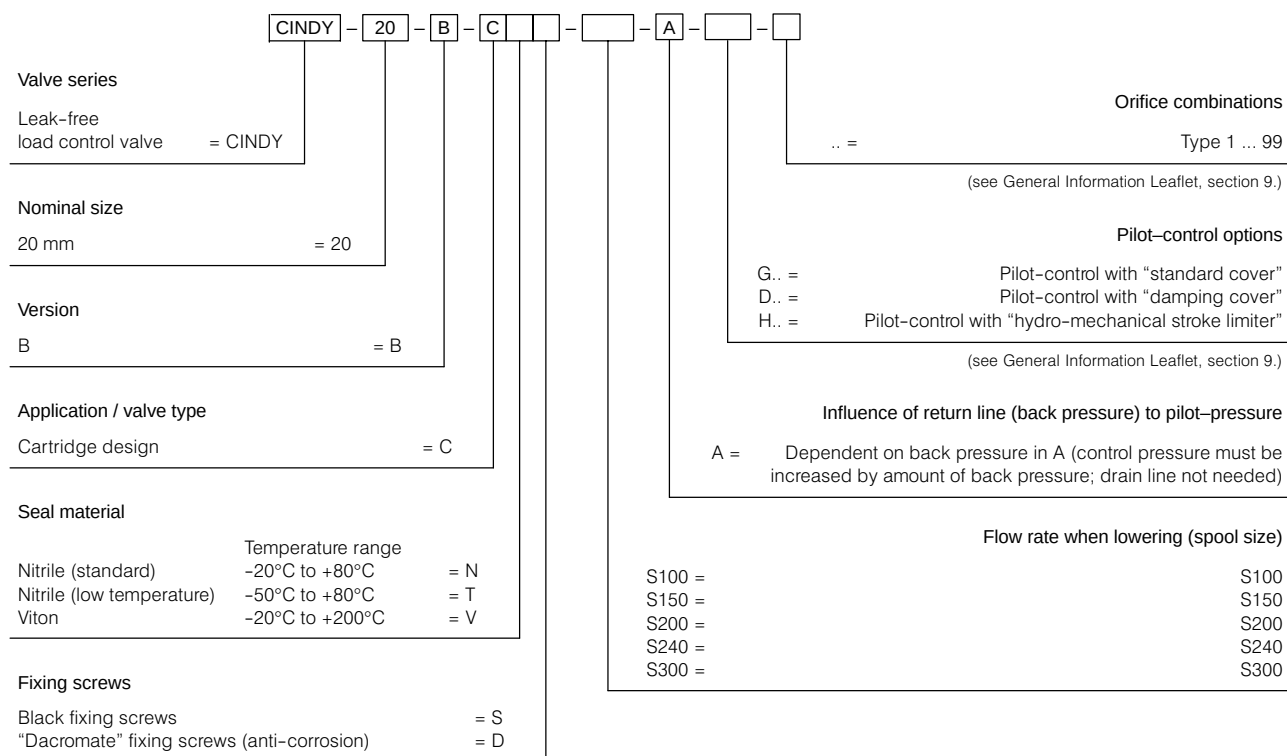
Pilot-control with the "damping cover" (D)



Pilot-control with the "hydro-mechanical stroke limiter" (H)



2.6 Model code key



Seal material	NITRILE	VITON	LOW-TEMP.
Art. No. for basic valve (without specific features)	300 6010244.....	300 6010396.....	300 6010397.....

Service packages

Pilot-control type G Art. No.	Service packages Cindy 20-B-C-N-1-G 300.0307056	Service packages Cindy 20-B-C-V-1-G 300.0307060	Service packages Cindy 20-B-C-T-1-G 300.0307063
Pilot-control types D, H Art. No.	Service packages Cindy 20-B-C-N-1-D 300.0307057	Service packages Cindy 20-B-C-V-1-D 300.0307061	Service packages Cindy 20-B-C-T-1-D 300.0307064

3. Description Cindy-20-B-C...-L-...-...

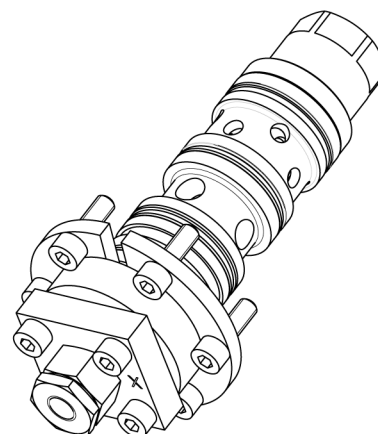
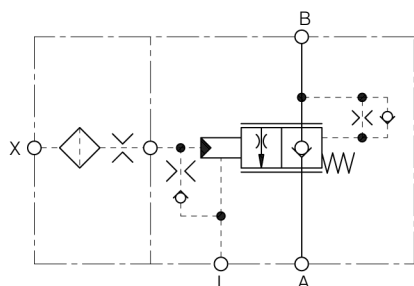
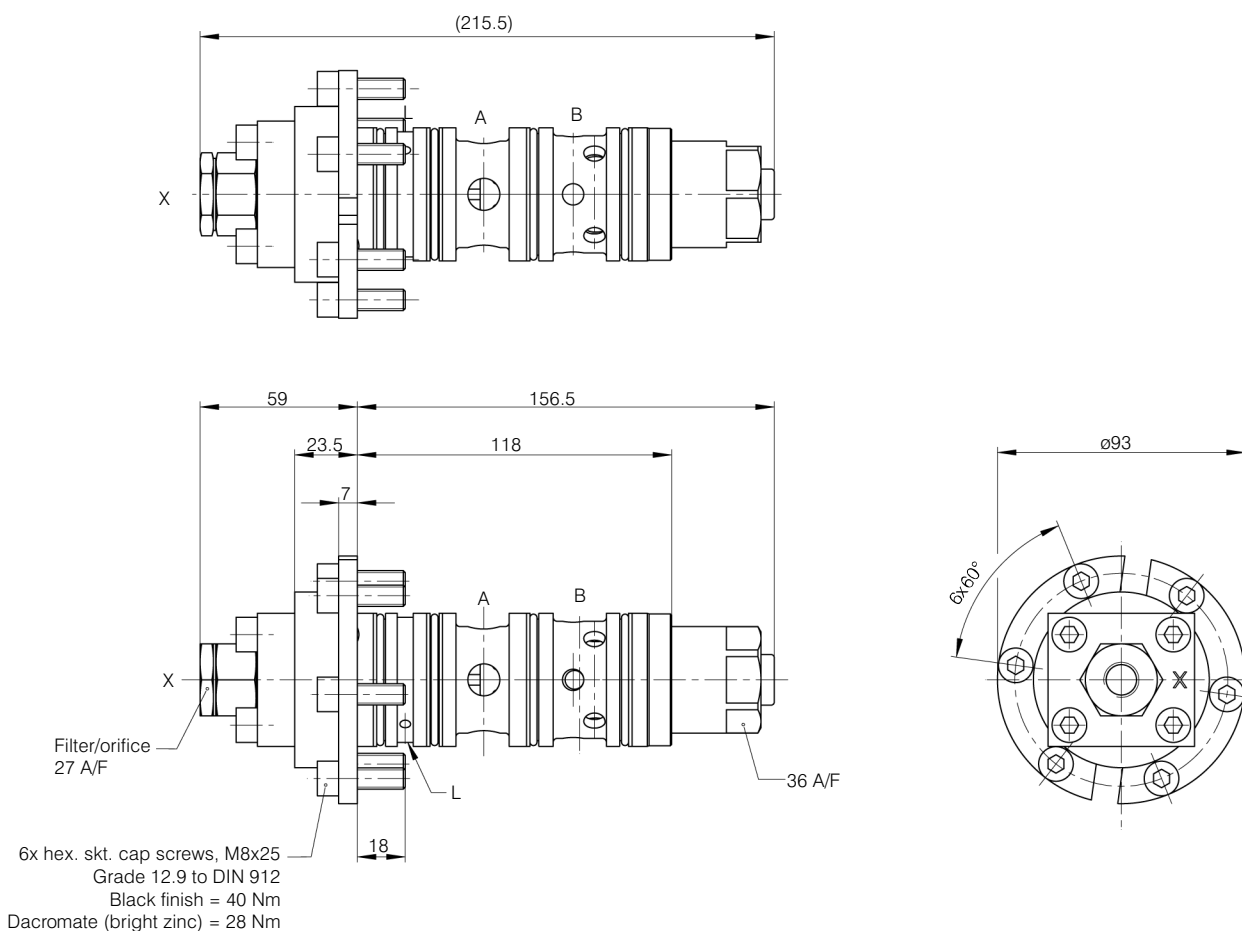
3.1 Port sizes / weight

Port	Port size
A, B	max. $\varnothing 20$
X, L2, MX	G 1/4"
L	max. $\varnothing 6$

For tightening torques, see Cindy General Information leaflet, section 6.

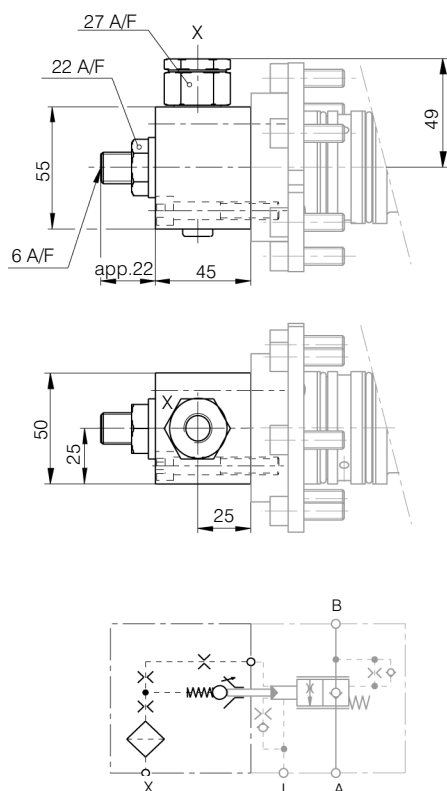
Weight: approx. 2.6 kg

3.2 Standard model

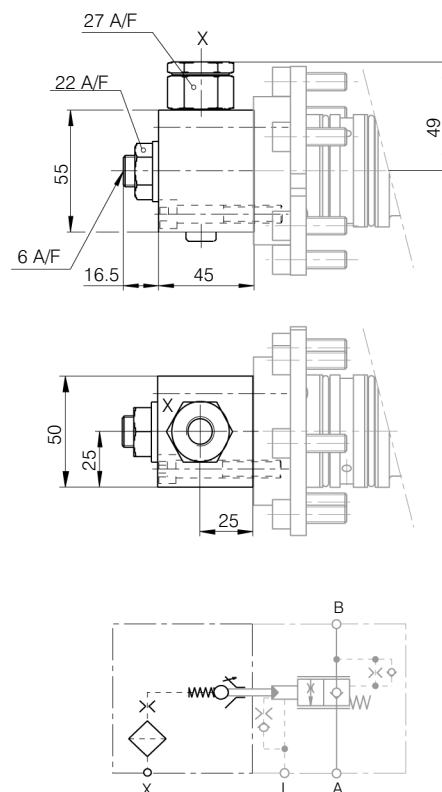


3.3 Pilot-control variants (each can be rotated through 180°)

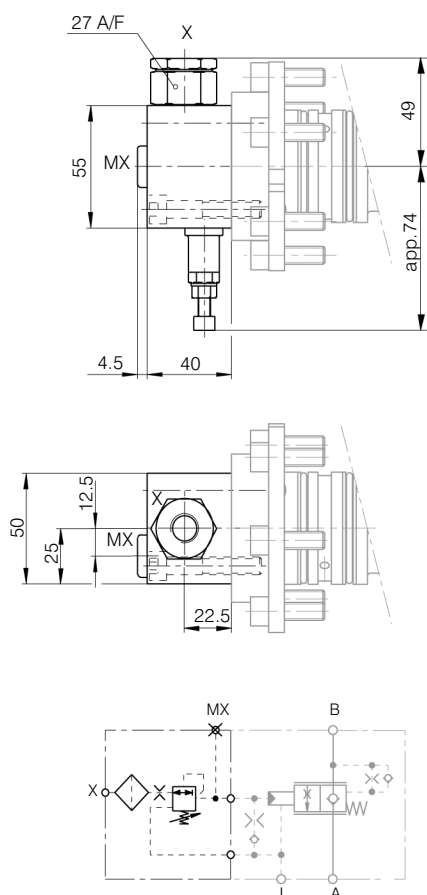
Pilot-control with the "damping cover" (D)



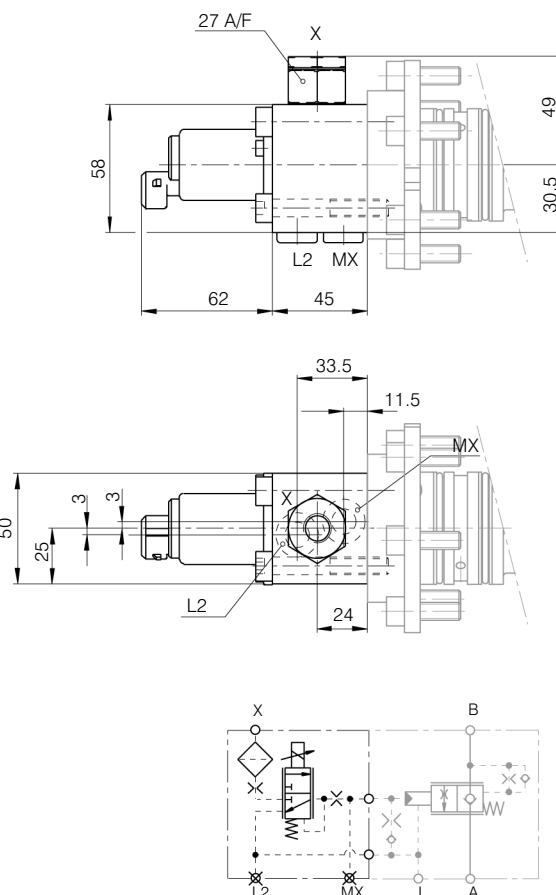
Pilot-control with the "hydro-mechanical stroke limiter" (H)



Pilot-control with the "hydraulic pressure reducing valve" (R)

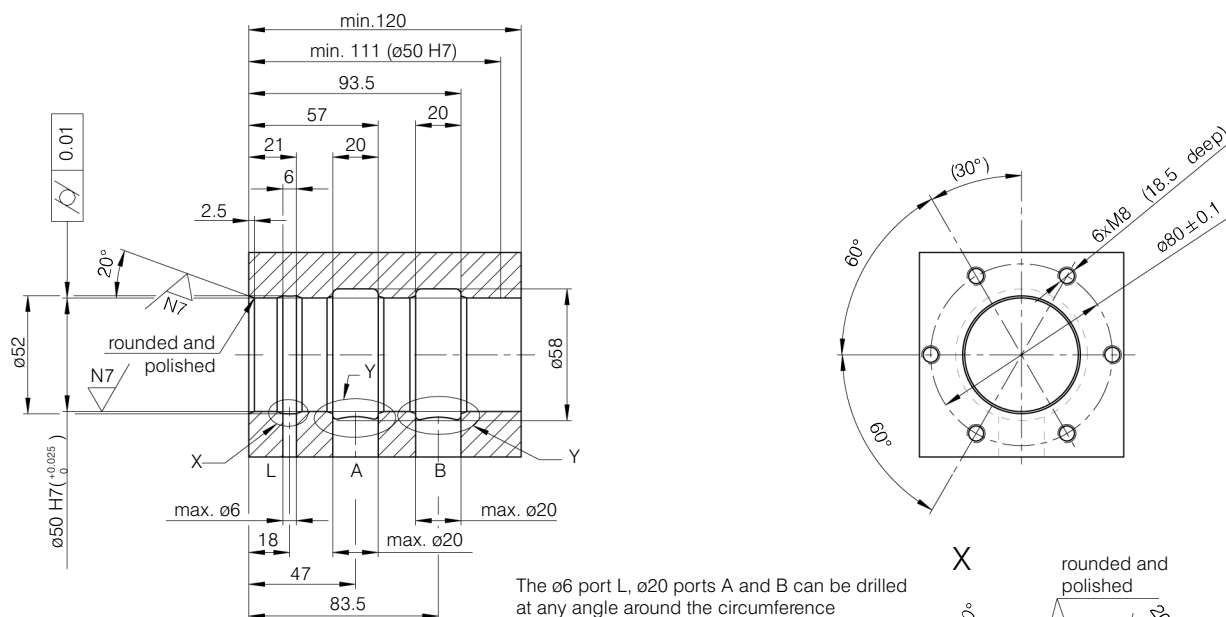


Pilot-control with the "electro-proportional pressure reducing valve" (E)

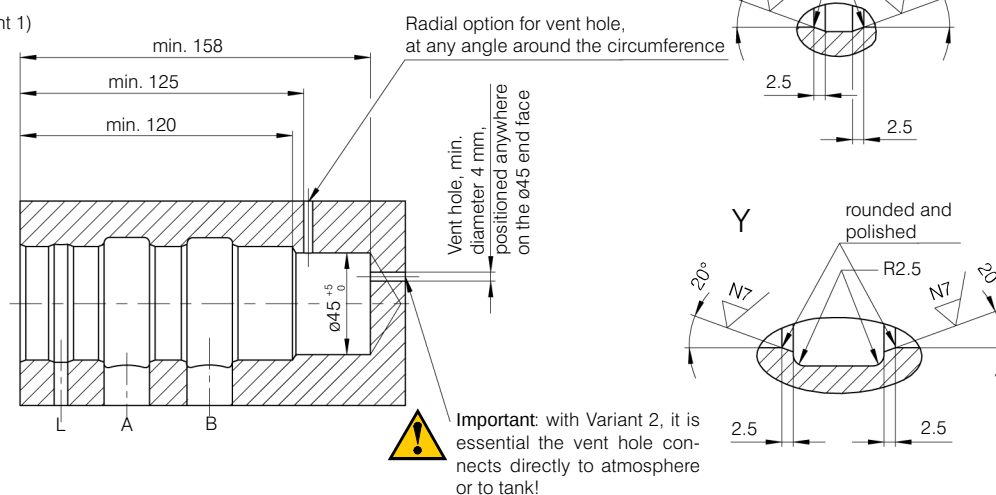


3.4 Cavity details

Variant 1

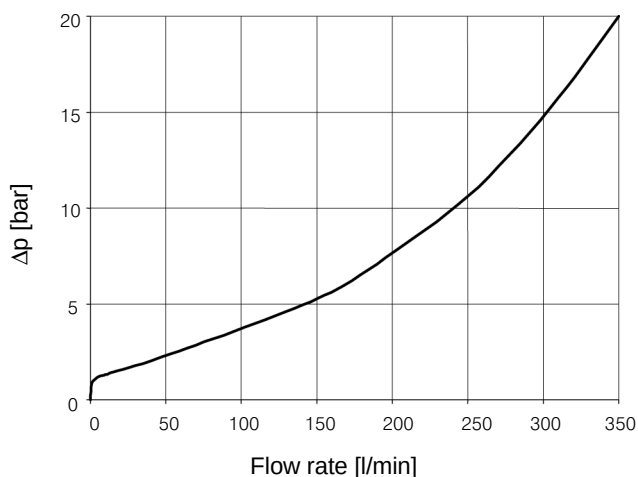


Variant 2
(other dimensions as Variant 1)

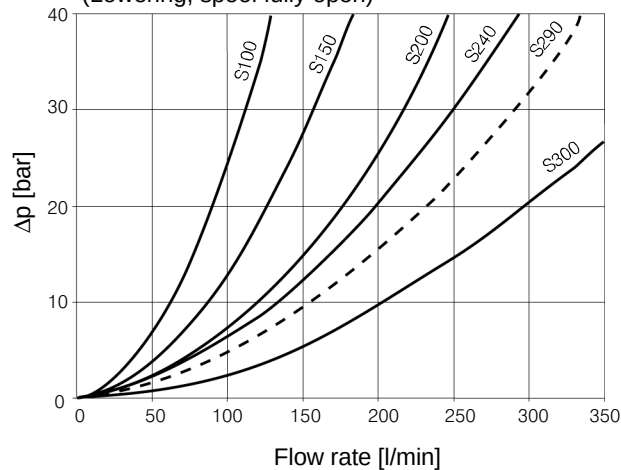


3.5 Characteristic curves (measured at 33 mm²/s [cSt])

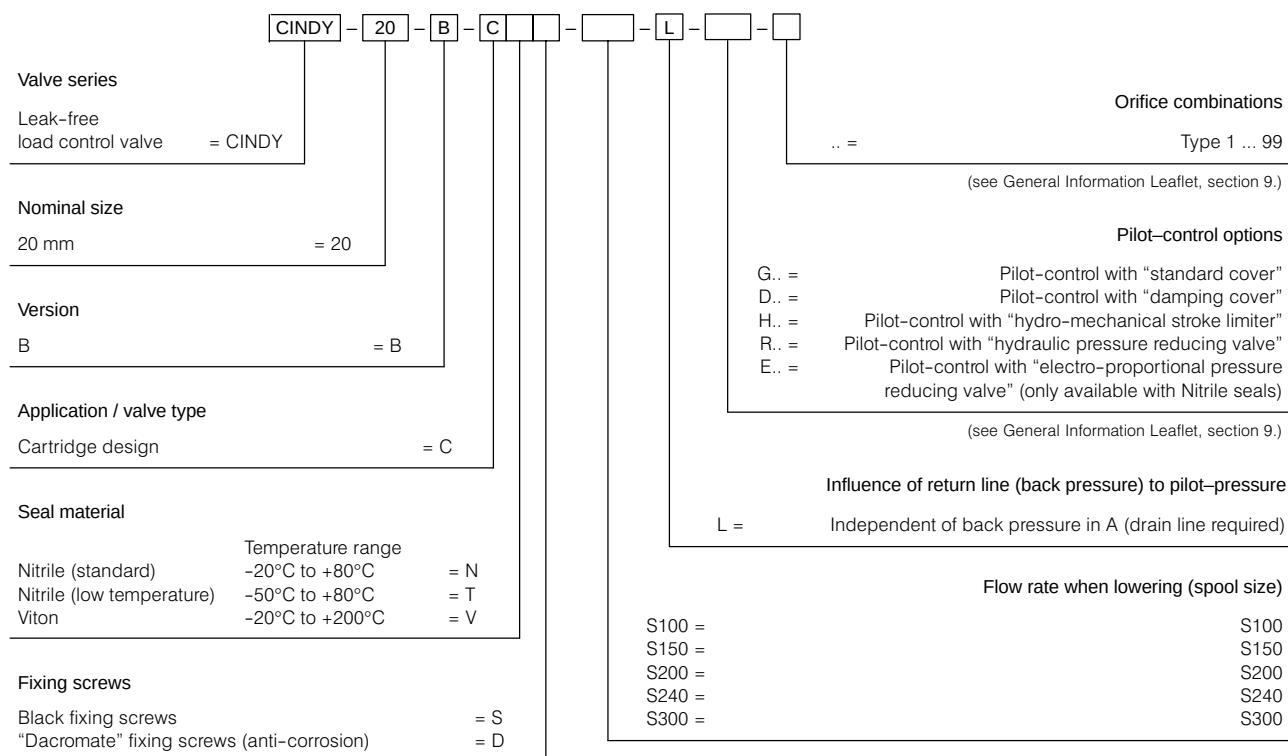
3.5.1 Δp from A $\rightarrow$ B (Lifting)



3.5.2 Δp from B $\rightarrow$ A
(Lowering; spool fully open)



3.6 Model code key



Seal material	NITRILE	VITON	TIEF
Art. No. for basic valve (without specific features)	300 6010244.....	300 6010396.....	300 6010397.....

Service packages

Pilot-control type G Art. No.	Service packages Cindy 20-B-C-N-1-G 300.0307056	Service packages Cindy 20-B-C-V-1-G 300.0307060	Service packages Cindy 20-B-C-T-1-G 300.0307063
Pilot-control types D, H Art. No.	Service packages Cindy 20-B-C-N-1-D 300.0307057	Service packages Cindy 20-B-C-V-1-D 300.0307061	Service packages Cindy 20-B-C-T-1-D 300.0307064
Pilot-control type R Art. No.	Service packages Cindy 20-B-C-N-1-R 300.0307058	Service packages Cindy 20-B-C-V-1-R 300.0307062	Service packages Cindy 20-B-C-T-1-R 300.0307065
Pilot-control type E Art. No.	Service packages Cindy 20-B-C-N-1-E 300.0307059	Only available with Nitrile seals	Only available with Nitrile seals

4. Description Cindy-25-B-C...-A-...-

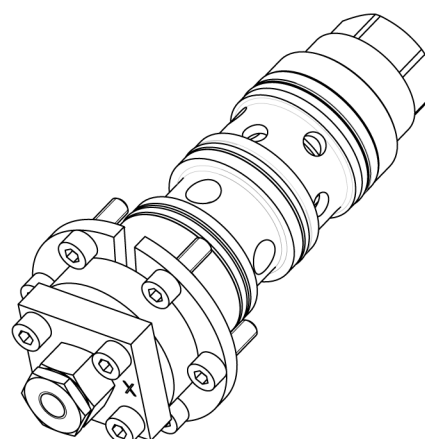
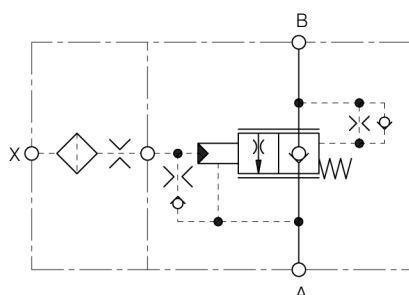
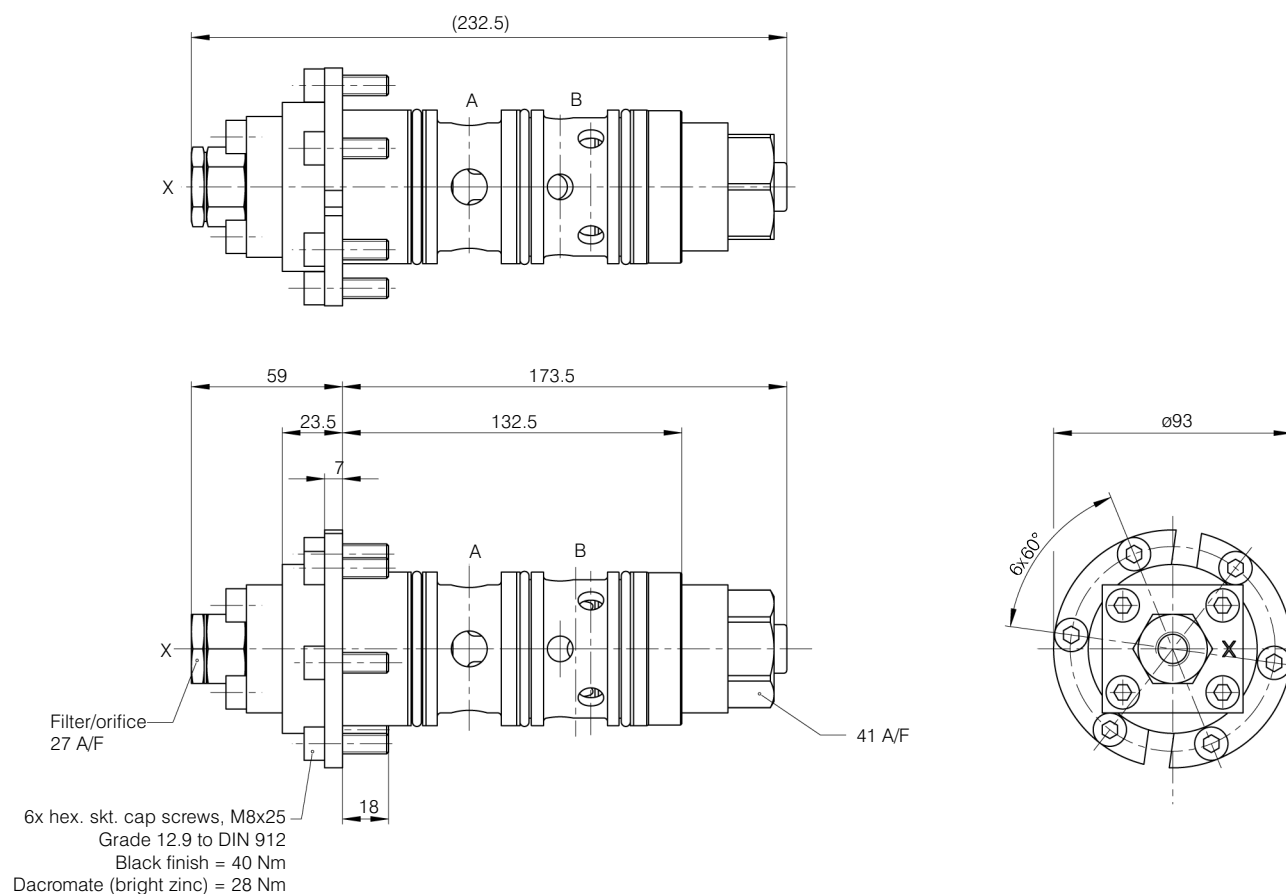
4.1 Port sizes / weight

Port	Port size
A, B	max. $\varnothing 25$
X	G 1/4"

For tightening torques, see Cindy General Information leaflet, section 6.

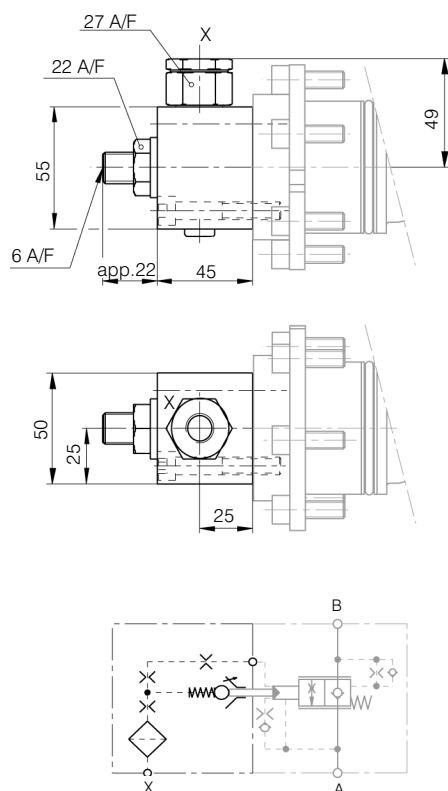
Weight: approx. 3.5 kg

4.2 Standard model

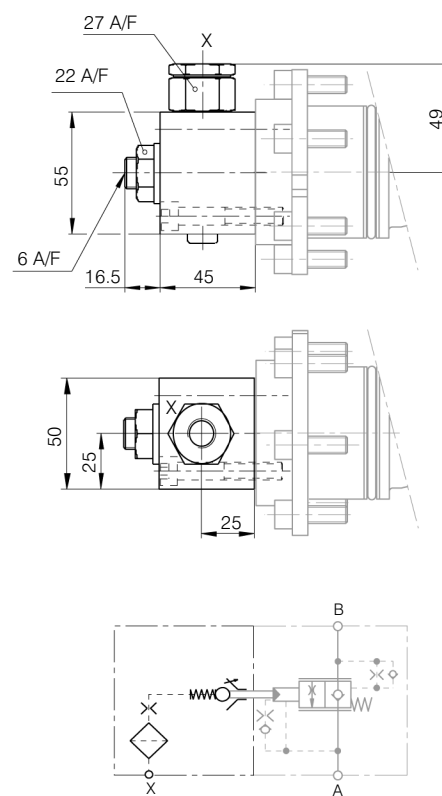


4.3 Pilot-control variants (each can be rotated through 180°)

Pilot-control with the "damping cover" (D)

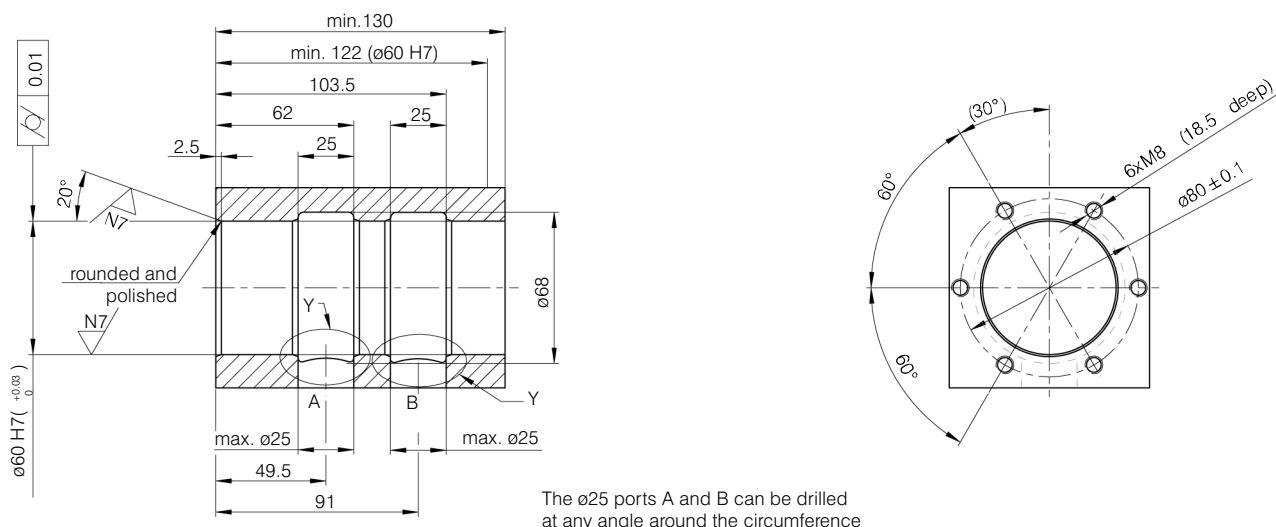


Pilot-control with the "hydro-mechanical stroke limiter" (H)

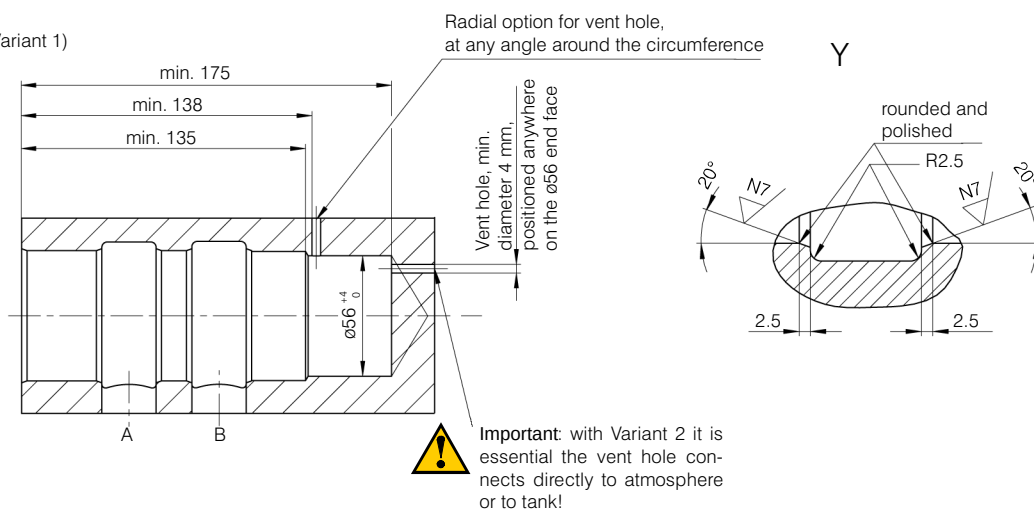


4.4 Cavity details

Variant 1

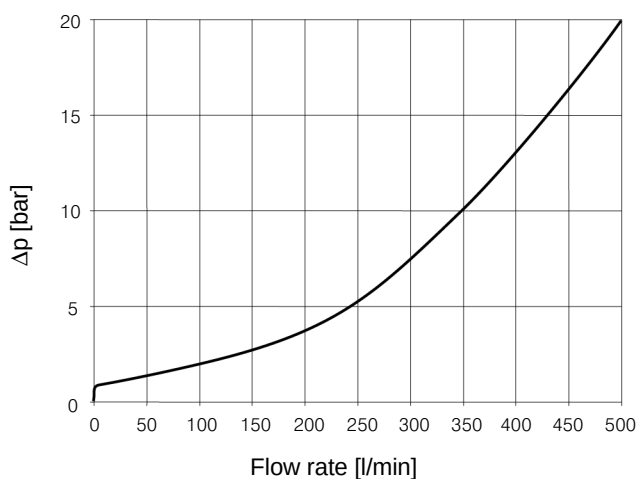


Variant 2
(other dimensions as Variant 1)

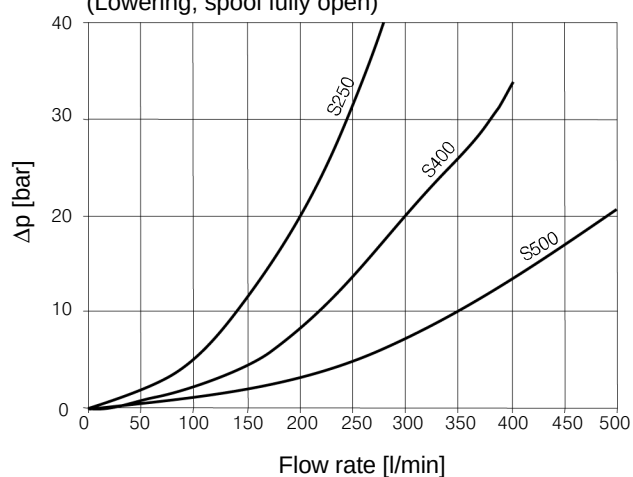


4.5 Characteristic curves (measured at 33 mm²/s [cSt])

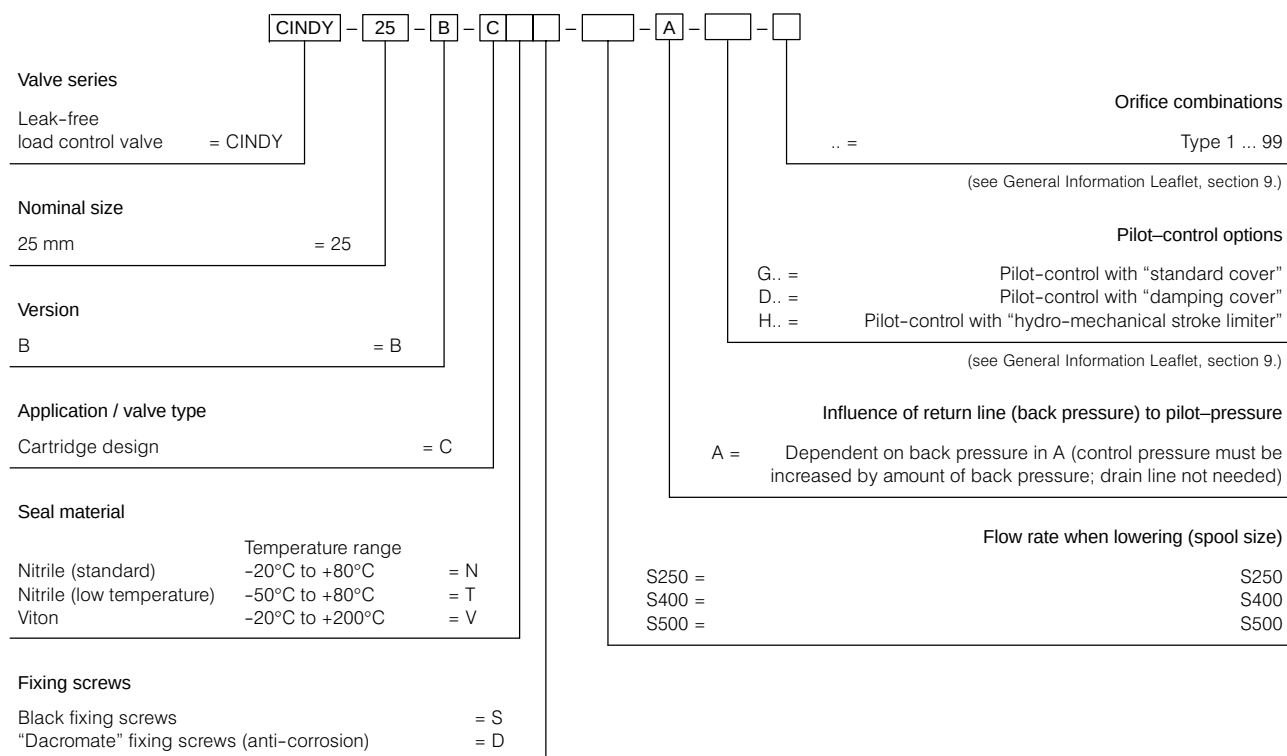
4.5.1 Δp from A → B (Lifting)



4.5.2 Δp from B → A
(Lowering; spool fully open)



4.6 Model code key



Seal material	NITRILE	VITON	LOW-TEMP.
Art. No. for basic valve (without specific features)	300 6010245.....	300 6010398.....	300 6010399.....

Service packages

Pilot-control type G Art. No.	Service packages Cindy 25-B-C-N-1-G 300.0307070	Service packages Cindy 25-B-C-V-1-G 300.0307074	Service packages Cindy 25-B-C-T-1-G 300.0307077
Pilot-control types D, H Art. No.	Service packages Cindy 25-B-C-N-1-D 300.0307071	Service packages Cindy 25-B-C-V-1-D 300.0307075	Service packages Cindy 25-B-C-T-1-D 300.0307078

5. Description Cindy-25-B-C...-L-...-...

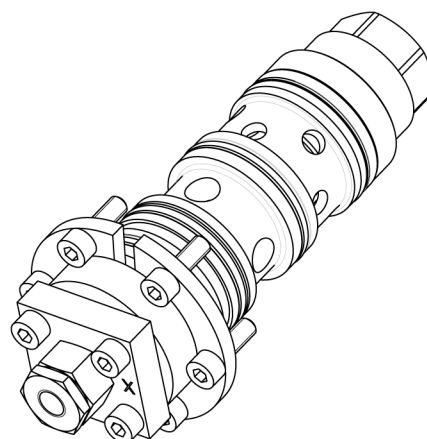
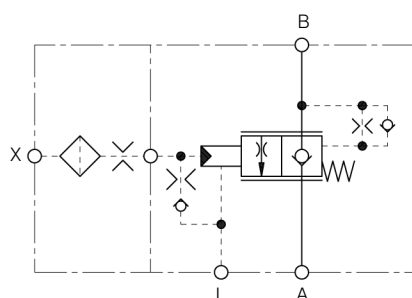
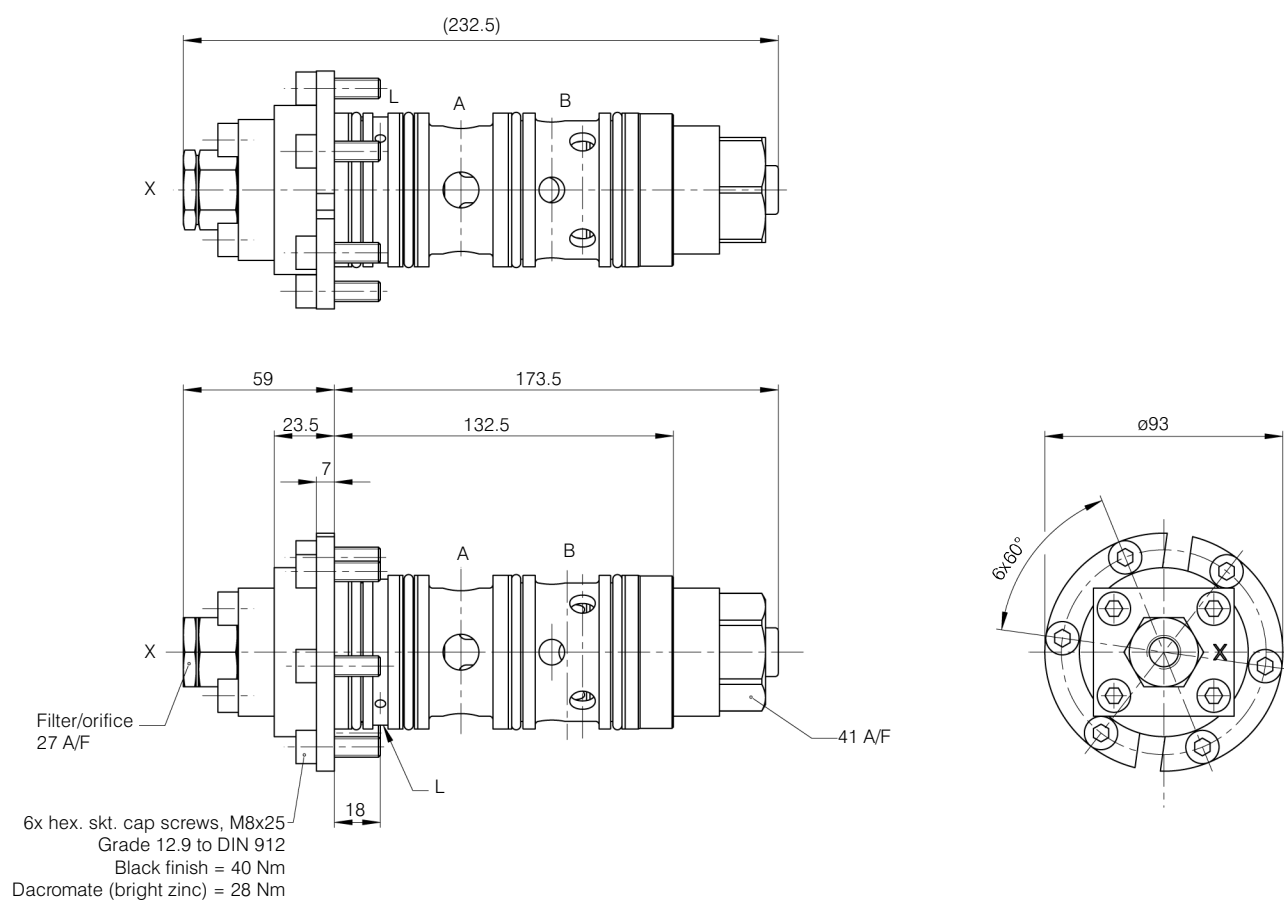
5.1 Port sizes / weight

Port	Port size
A, B	max. $\varnothing 25$
X, L2, MX	G 1/4"
L	max. $\varnothing 6$

For tightening torques, see Cindy General Information leaflet, section 6.

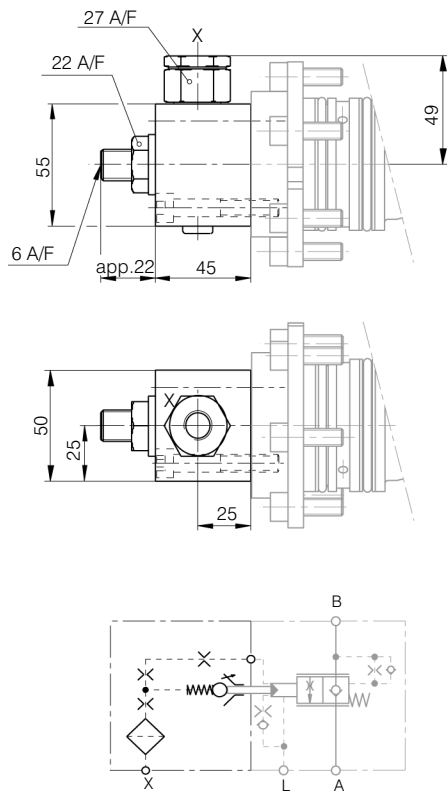
Weight: approx. 3.5 kg

5.2 Standard model

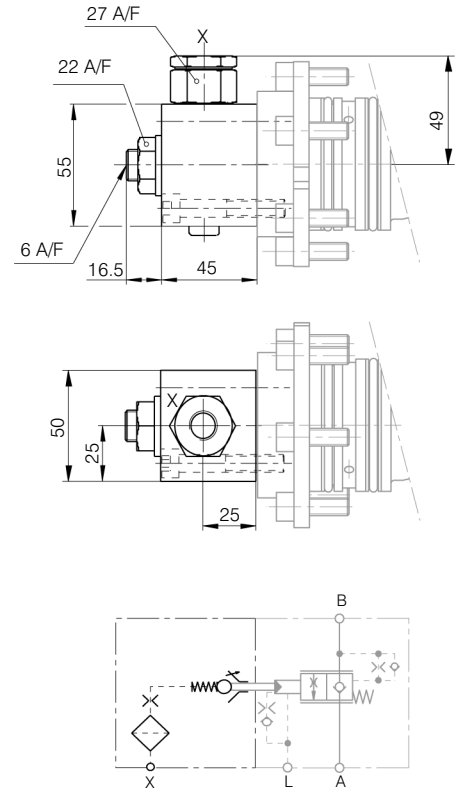


5.3 Pilot-control variants (each can be rotated through 180°)

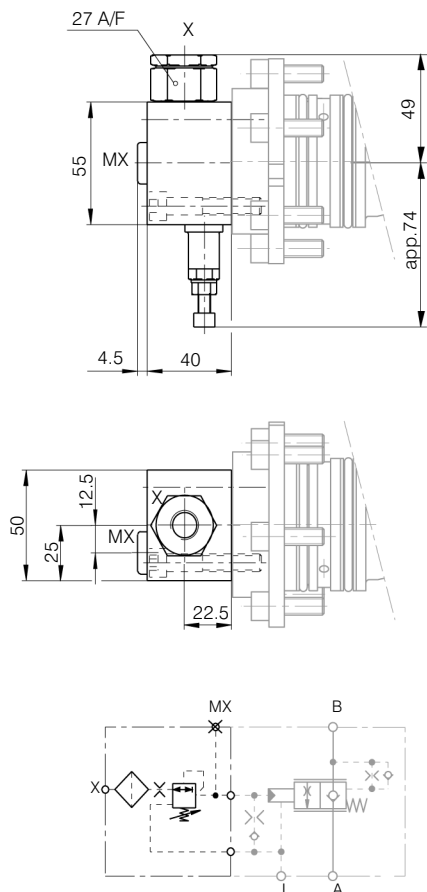
Pilot-control with the "damping cover" (D)



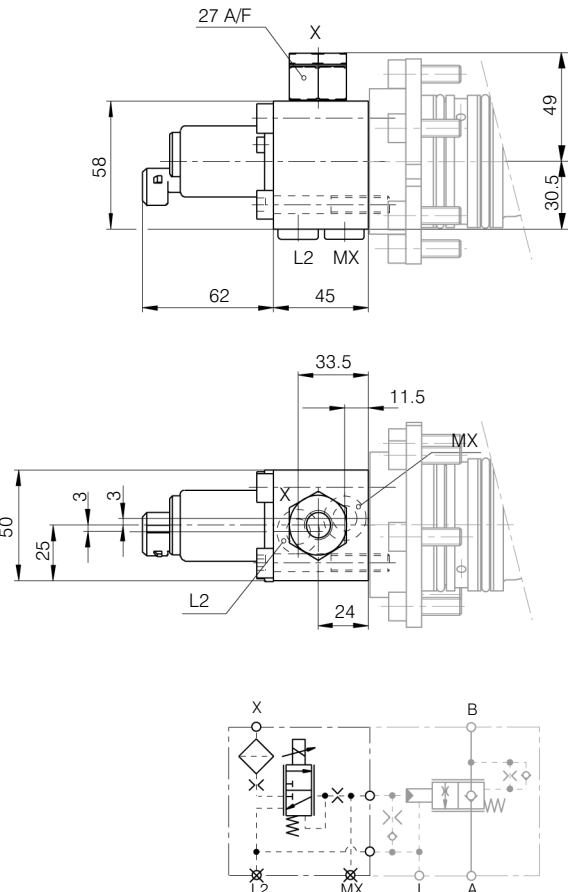
Pilot-control with the "hydro-mechanical stroke limiter" (H)



Pilot-control with the "hydraulic pressure reducing valve" (R)

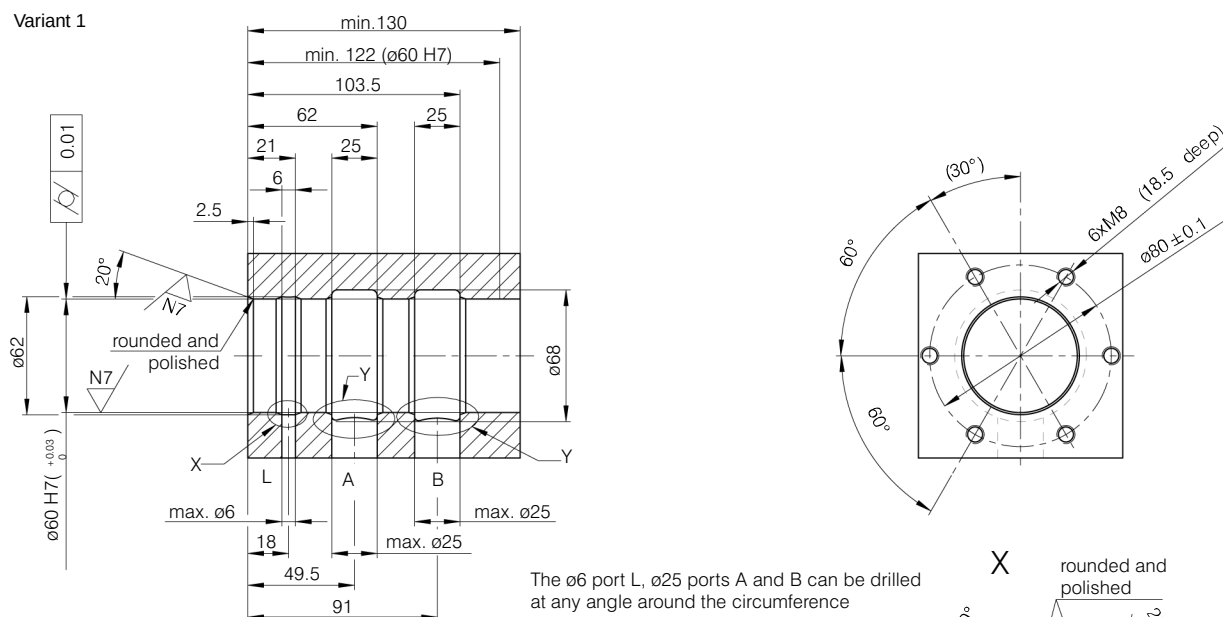


Pilot-control with the "electro-proportional pressure reducing valve" (E)

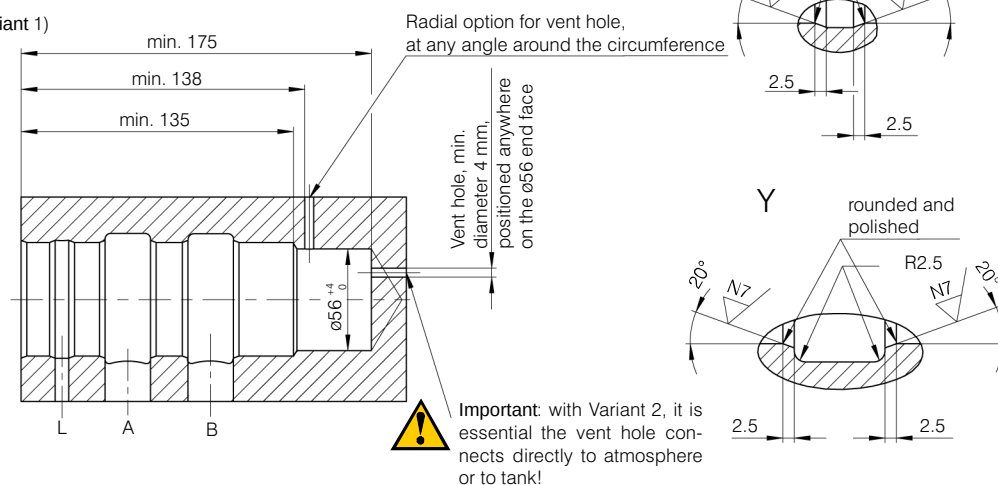


5.4 Cavity details

Variant 1

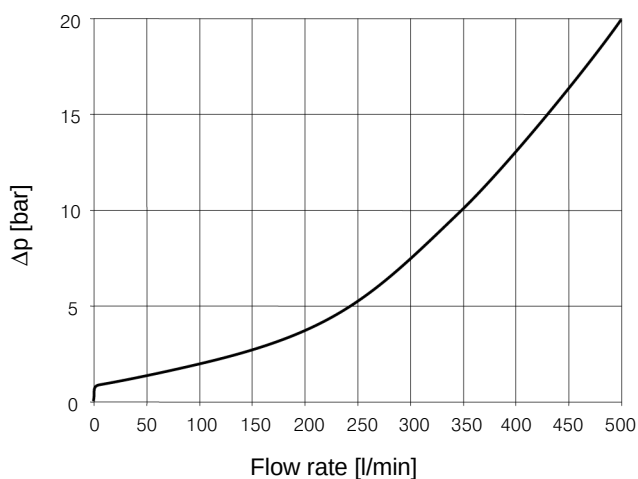


Variant 2
(other dimensions as Variant 1)

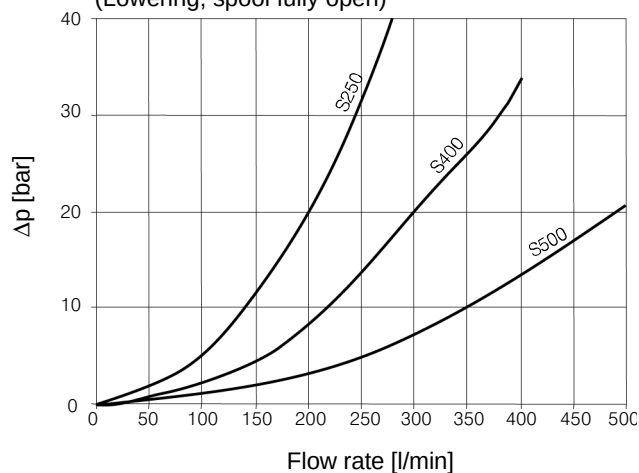


5.5 Characteristic curves (measured at 33 mm²/s [cSt])

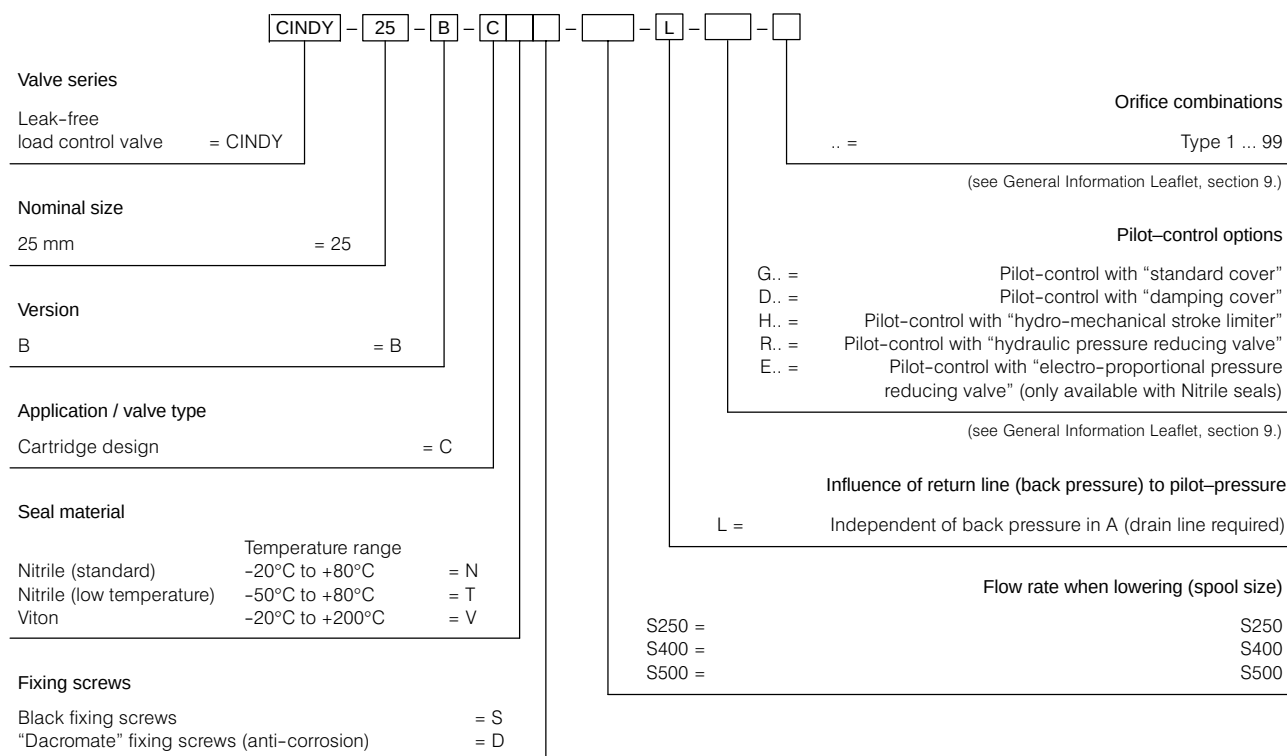
5.5.1 Δp from A $\rightarrow$ B (Lifting)



5.5.2 Δp from B $\rightarrow$ A
(Lowering; spool fully open)



5.6 Model code key



Seal material	NITRILE	VITON	LOW-TEMP.
Art. No. for basic valve (without specific features)	300 6010245.....	300 6010398.....	300 6010399.....

Service packages

Pilot-control type G Art. No.	Service packages Cindy 25-B-C-N-1-G 300.0307070	Service packages Cindy 25-B-C-V-1-G 300.0307074	Service packages Cindy 25-B-C-T-1-G 300.0307077
Pilot-control types D, H Art. No.	Service packages Cindy 25-B-C-N-1-D 300.0307071	Service packages Cindy 25-B-C-V-1-D 300.0307075	Service packages Cindy 25-B-C-T-1-D 300.0307078
Pilot-control type R Art. No.	Service packages Cindy 25-B-C-N-1-R 300.0307072	Service packages Cindy 25-B-C-V-1-R 300.0307076	Service packages Cindy 25-B-C-T-1-R 300.0307079
Pilot-control type E Art. No.	Service packages Cindy 25-B-C-N-1-E 300.0307073	Only available with Nitrile seals	Only available with Nitrile seals

BUCHER HYDRAULICS

Germany

Phone +49 7742 85 20
Fax +49 7742 71 16
info.de@bucherhydraulics.com

France

Phone +33 389 64 22 44
Fax +33 389 65 28 78
info.fr@bucherhydraulics.com

Netherlands

Phone +31 79 34 26 24 4
Fax +31 79 34 26 28 8
info.nl@bucherhydraulics.com

UK

Phone +44 24 76 35 35 61
Fax +44 24 76 35 35 72
info.uk@bucherhydraulics.com

USA

Phone +1 262 605 82 80
Fax +1 262 605 82 78
info.wi@bucherhydraulics.com

Switzerland

Phone +41 33 67 26 11 1
Fax +41 33 67 26 10 3
info.ch@bucherhydraulics.com

Italy

Phone +39 0522 92 84 11
Fax +39 0522 51 32 11
info.it@bucherhydraulics.com

Austria

Phone +43 6216 44 97
Fax +43 6216 44 97 4
info.at@bucherhydraulics.com

China

Phone +86 10 64 44 32 38
Fax +86 10 64 44 32 35
info.bj@bucherhydraulics.com

Product Center (Elevator)

Phone +41 41 757 03 33
Fax +41 41 757 16 49
info.nh@bucherhydraulics.com

We reserve the right of modification without notice.