miniBOOSTER® HYDRAULICS A/S

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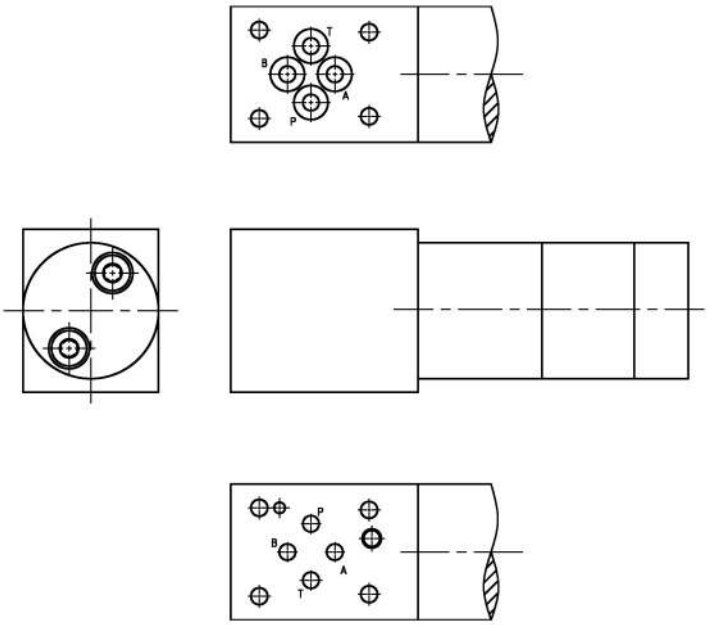
Instructions for Hydraulic Booster HC3



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DK

Trykforstærkeren kræver et pumpetryk på minimum 20 bar / 300 psi. Filtrering: Se side to. Komponenten må ikke tages i brug, før maskinen, hvori den monteres, overholder alle relevante bestemmelser i EU og EFTA.

UK

The minimum inlet pressure required to operate the booster is 20 bar / 300 psi. Filtration: See page 2. Do not put the component into operation until the machine into which it is mounted complies with all relevant regulations and directives by the EU and EFTA.

DE

Der Druckverstärker funktioniert ab einem Eingangsdruck von 20 bar / 300 psi. Filterung: Siehe Seite zwei.
Die Komponente nicht in Betrieb nehmen, bis die Maschine, in die sie eingebaut werden muss, alle relevanten Regulativen und Direktiven von der EU und EFTA erfüllt.

FR

Le multiplicateurs Fonctionne avec une pression minimale de 20 bar / 300 psi. Filtration: Voir la page deux. Avant de mettre en service le composant monté, la machine doit être conforme à toutes les réglementations et directives en vigueur dans l´UE et l´AELE.

i	Max. flow IN		Max. flow H		Max. pressure IN		Max. pressure H	
	l/min	gal/min	l/min	gal/min	bar	psi	bar	psi
1.2	8	2.1	3.5	0.9	207	3,000	248	3,600
1.5	12	3.2	4.2	1.1	207	3,000	311	4,500
2.0	12	3.2	3.2	0.8	207	3,000	414	6,000
2.2	12	3.2	2.9	0.8	207	3,000	455	6,600
2.5	13	3.4	2.7	0.7	200	2,900	500	7,250
2.8	13	3.4	2.5	0.7	179	2,590	500	7,250
3.2	15	4.0	2.5	0.7	156	2,266	500	7,250
4.0	14	3.7	2.0	0.5	125	1,813	500	7,250
5.0	14	3.7	1.6	0.4	100	1,450	500	7,250
6.6	13	3.4	1.3	0.3	76	1,099	500	7,250
9.0	13	3.4	0.9	0.2	56	806	500	7,250
13.0	12	3.2	0.6	0.2	38	558	500	7,250
20.0	12	3.2	0.3	0.1	25	363	500	7,250

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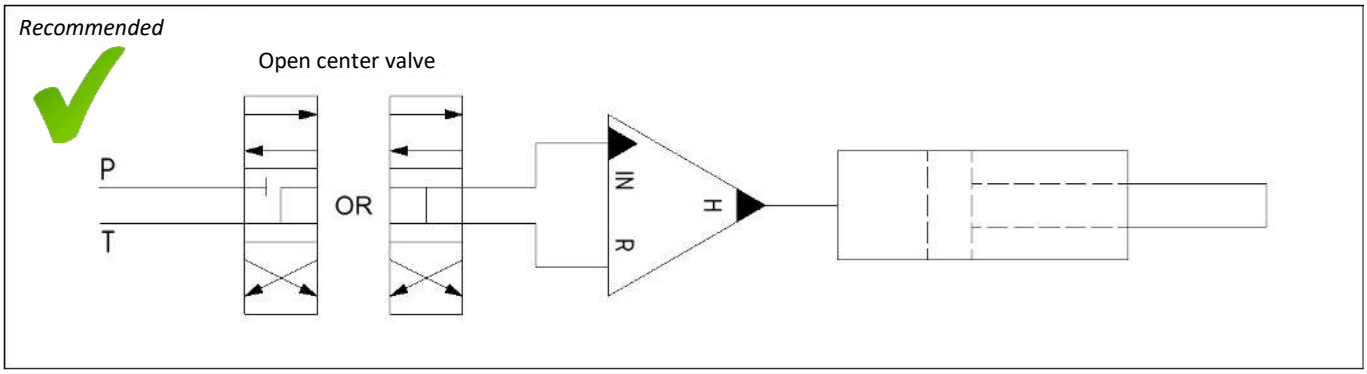
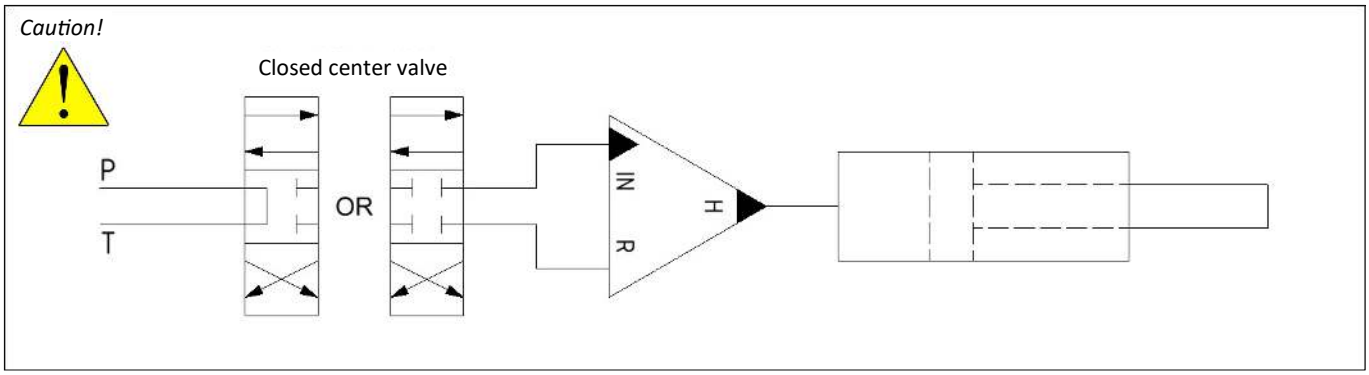
IMPORTANT: Directional control valves

Contaminated fluid can cause the internal check valves of the booster to leak high-pressure media back to the IN and R connection. When high pressure (>207 bar / 3,000 psi) is trapped between the booster and the directional valve, the bolts can be stretched and cause the booster to leak fluid. miniBOOSTER recommends to use an open center valve to prevent this.





Recommended filtration: According to ISO 44306

Media		0 to 140 bar 0 to 2,000 psi		141 to 207 bar 2,000 to 3,000 psi	
		ISO Taget Levels	Micron Ratings	ISO Taget Levels	Micron Ratings
Oil	> 5 cSt	19/17/14	10	18/16/13	5
Water/Water Glycol	< 5 cSt	18/16/13	5	17/15/12	3