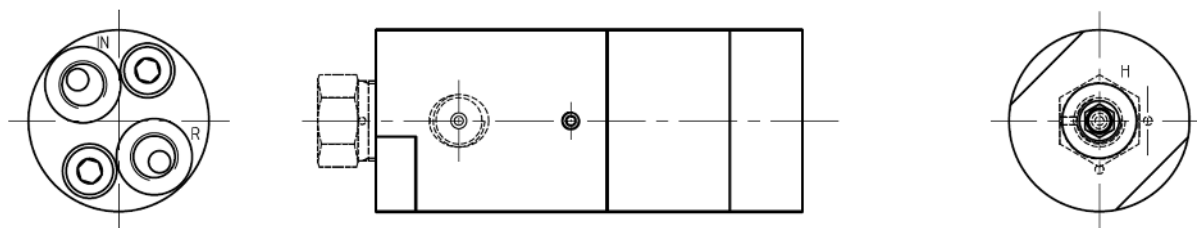


Instructions for Hydraulic Booster HC7W



www.miniBOOSTER.com



IN		R		H
1/4"	7/16-20	1/4"	7/16-20	- Adapter connectors - See HC7W homepage Drawing: 7W-900-__
BSPP	UNF	BSPP	UNF	
DK Forskruing, Pumpetilslutning				
UK Screwed connection, Pump connection				
DE Verschraubung, Pumpenanschluss				
FR Raccordement, Raccordement de pompe				
Max. Tilspændingsmoment—Max. Tightening torque Max. Anzugmoment—Couple de serrage max				
DK Med stålskive				1/4" BSPP
UK With steel washer				
DE Mit Stahlscheibe				40 Nm
FR Avec rondelle en acier				29.5 lb-ft
DK Med aluminiumskive				1/4" BSPP
UK With aluminium washer				
DE Mit Aluminiumscheibe				30 Nm
FR Avec rondelle en aluminium				22 lb-ft
DK Med skærekant				1/4" BSPP
UK With cutting edge				
DE Mit Dichtkante				40 Nm
FR Avec rondelle en acier				29.5 lb-ft
DK Med O-ring	7/16-20 UNF	9/16-18 UNF		
UK With O-ring				
DE Mit O-ring	20 Nm	35 Nm		
FR Avec joint torique	14.8 lb-ft	25.8 lb-ft		

DK

Trykforstærkeren kræver et pumpetryk på minimum 20 bar / 300 psi. Filtrering: Se side to. Komponenter 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. Filtrierung: 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.

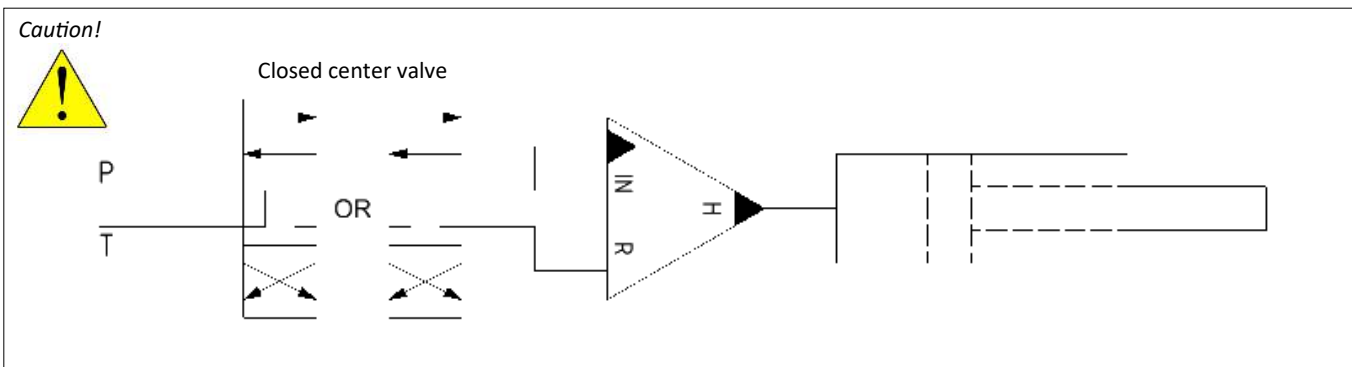
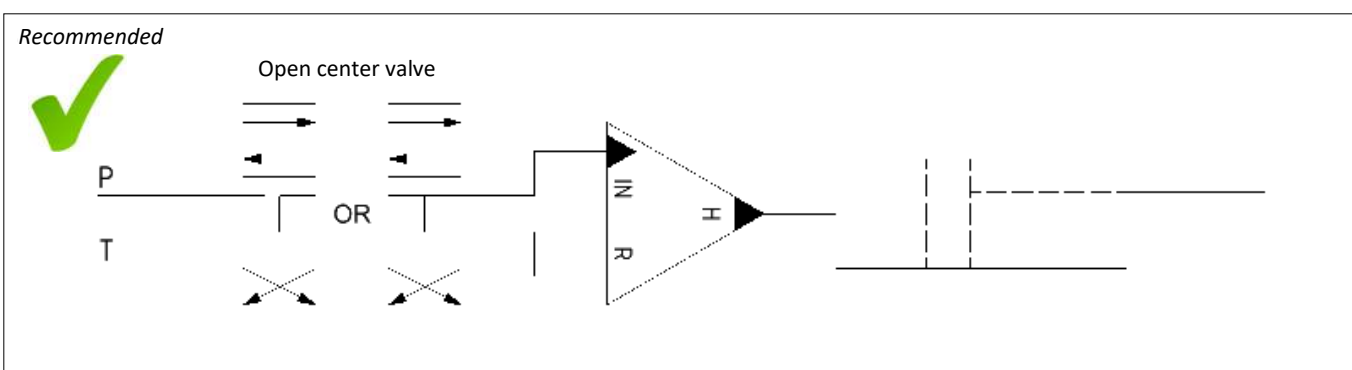
FR

Le multiplicateur 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	
> 5 cSt	l/min	gal/min	l/min	gal/min	bar	psi	bar	psi
5.0	14	3.7	1.6	0.4	207	3,000	1.035	15,000
6.6	13	3.4	1.3	0.3	207	3,000	1.366	19,800
7.6	13	3.4	1.1	0.3	207	3,000	1.573	22,800
9.0	13	3.4	0.9	0.2	207	3,000	1.863	27,000
10.3	12	3.2	0.8	0.2	207	3,000	2.132	30,900
13.0	12	3.2	0.6	0.2	154	2,231	2.000	29,000
20.0	12	3.2	0.3	0.1	100	1,450	2.000	29,000
< 5 cSt	l/min	gal/min	l/min	gal/min	bar	psi	bar	psi
5.0	14	3.7	1.6	0.4	207	3,000	1.035	15,000
6.6	13	3.4	1.3	0.3	157	2,273	1.035	15,000
7.6	13	3.4	1.1	0.3	136	1,973	1.035	15,000
9.0	13	3.4	0.9	0.2	115	1,667	1.035	15,000
10.3	12	3.2	0.8	0.2	100	1,456	1.035	15,000
13.0	12	3.2	0.6	0.2	80	1,154	1.035	15,000
20.0	12	3.2	0.3	0.1	52	750	1.035	15,000

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

		0 to 140 bar 0 to 2,000 psi		141 to 207 bar 2,000 to 3,000 psi	
Media		ISO Target Levels	Micron Ratings	ISO Target 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