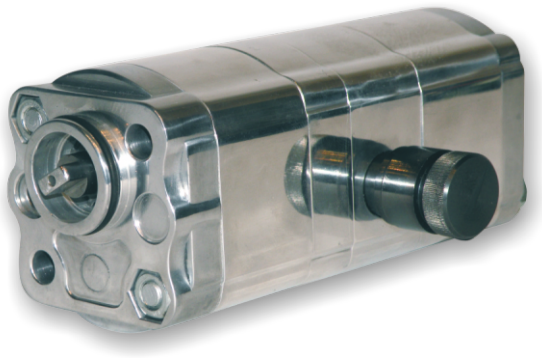
POMPE HILO GRUPA 1
HILO PUMPS, GROUP 1

Descriere şi utilizare:
Pompele HILO sunt pompe duble cu roţi dinţate, cu placă intermediară cu supape; ambele trepte au o aspiraţie comună şi o refulare comună.
Când presiunea de lucru este mai mică decât presiunea de comutare, debitul corespunde ambelor trepte.
Când presiunea de lucru este mai mare decât presiunea de comutare, debitul corespunde primei trepte.
Dacă (Vg1+Vg2)>9 cm^3/rot, atunci pompa HI-LO necesită o aspiraţie suplimentară pentru a preveni cavitaţia.

Description and use:
The HILO pumps, are double gear pumps, with intermediate plate with valves; both stages have a common inlet and a common outlet.
When the work pressure is lower as the commutation pressure, the flow is corresponding for the both stages.
When the work pressure is higher as the commutation pressure, the flow is corresponding for the first stage.
If (Vg1+Vg2)>9 cm^3/rev, than the HILO pump need a additional inlet on the second stage, to prevent cavitation.



Codicare - *Codification*

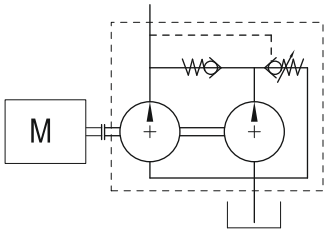
HILO	- Variante *Variants*	- Construcţie trepte *Construction of the stages*	- (Vg1+Vg2)	- Sens *Rotation*	- Presiune comutare (bar) *Comutation Pressure (bar)*	- Aspiraţii şi Refulări suplim. la cerere *Aditional Inlets and Outlets, at request*
	HTS numai stânga *anticlockwise rotation only*	(S + S)		A sens rotaţie stânga *anticlockwise rotation*	40....170 reglabilă *adjustable*	obturată varianta uzuală *closed usual variant*
	TCK numai dreapta *clockwise rotation only*	(P + P)		C sens rotaţie dreapta *clockwise rotation*		
		(P + S)				
		(S + P)				

asp. tr.1 - *inlet type stage 1*
refulare tr.1 - *outlet type stage 1*
asp. tr.2 - *inlet type stage 2*
refulare tr.2 - *outlet type stage 2*

Exemple - *Examples:*

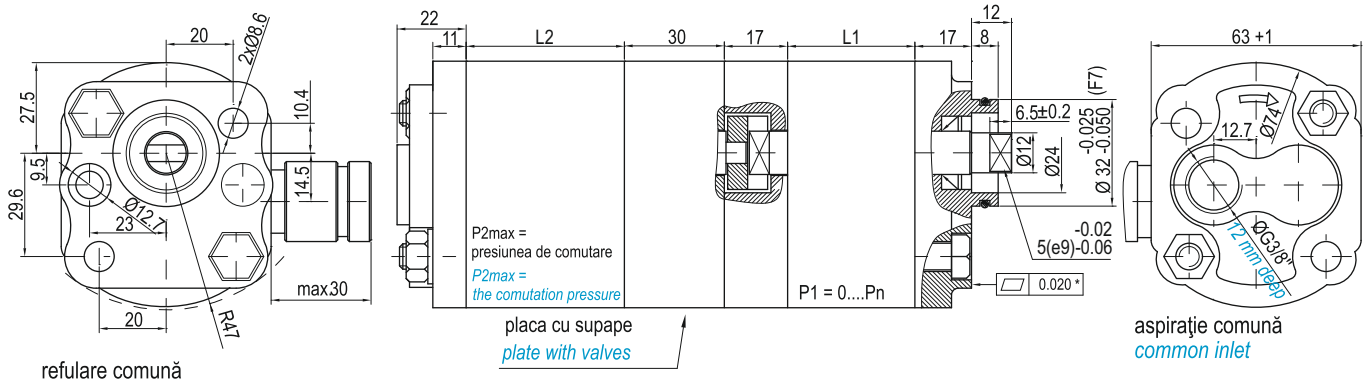
HILO-HTS-(S+S)-(1.7+4.3)-A-50
HILO-HTS-(P+P)-(5+7.8)-A-80-0090
HILO-TCK-(P+S)-(5+6)-C-80-0800

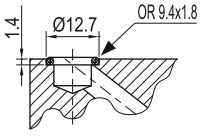
pompe HILO
HILO pumps



tip 0 *type 0*	obturată *closed*
tip 3 *type 3*	M20x1.5
tip 4 *type 4*	M18x1.5
tip 5 *type 5*	M16x1.5
tip 6 *type 6*	M14x1.5
tip 8 *type 8*	G1/2"
tip 9 *type 9*	G3/8"

Varianta - *Variant:*
HILO-HTS





x -Placa de fixare trebuie să aibă 0.020
*-Moment de strângere 2.2...2.5 daNm
x -The fixation plate should have 0.020
**-Tightening torque 2.2...2.5 daNm*

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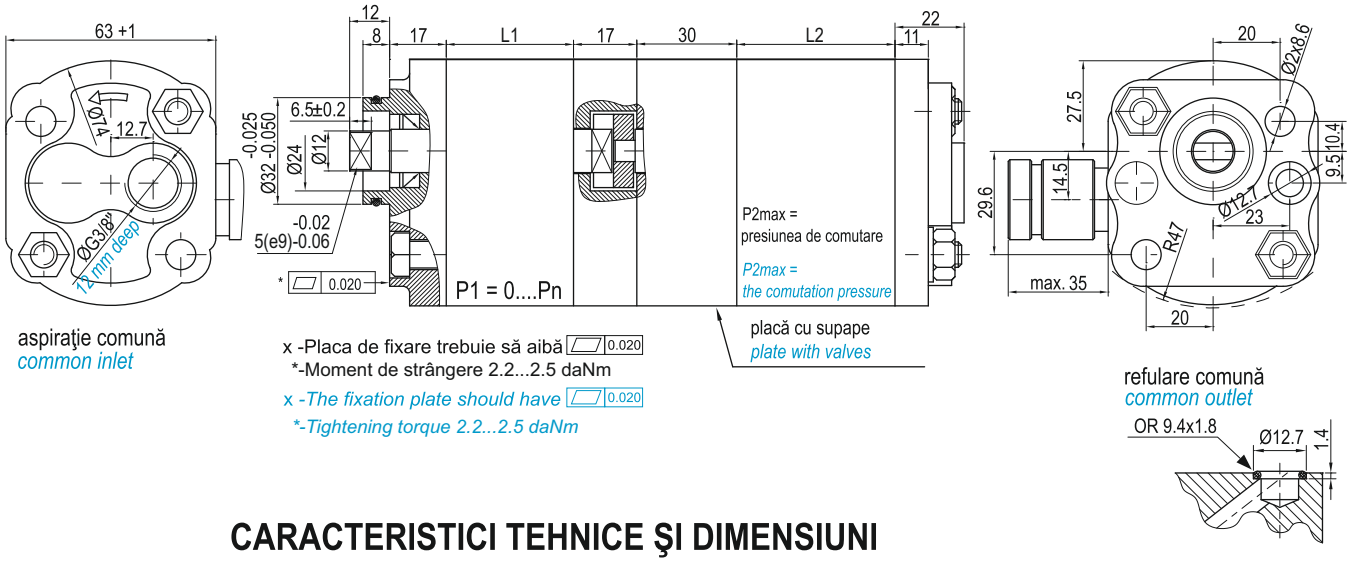
Str. Dr. C-tin. Istrati nr.1, Sector 4, BUCUREŞTI, 040542
Tel.: +4021.336.23.52; +4021.335.10.50; +40730.024.213;
Fax: +4021.337.24.60; E-mail: hesper@hesper.ro; www.hesper.ro

POMPE HILO GRUPA 1

HILO PUMPS, GROUP 1

Varianta - *Variant:*

HILO-TCK



CARACTERISTICI TEHNICE ŞI DIMENSIUNI
TECHNICAL CHARACTERISTICS AND DIMENSIONS

Recomandări construcţie trepte *Recommended construction of the stage*	Vg1; Vg2 (cm^3/rot) *(cmc/rev)*	L1; L2 (mm) *(mm)*	la 1500 rot/min. *at 1500 rev/min.*		
			P_n (bar)	P_{max} (bar)	η_v (%)
S	0.85	33.2	250	280	80
	1	33.7			84
	1.2	34.5			86
	1.7	36.3			88
	2	37.4			89
	2.2	38.2			90
	2.6	39.7			91
	3.2	41.9			92
	3.8	44.1			94
S	4.3	45.6	205	225	95
P		53.6	250	280	
S	5	47.8	175	195	96
P		55.8	235	255	
S	6	51.2	145	160	97
P		59.2	195	215	
S	7.8	57.5	110	120	98
P		65.5	140	160	

NOTĂ:
- Domeniul de temperatură maxim : -25....+80°C
  recomandat 0...+50°C
- Vâscozitate: 12-800 mm^2/s, (domeniul maxim);
  recomandat pentru mers continuu: 25-100 mm^2/s.

NOTE:
- *Maximal temperature range: -25....+80°C*
  recommended 0...+50°C
- *Viscosity: 12-800 mm^2/s, (maximal range);*
  recommended for contiuous use: 25-100 mm^2/s.