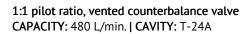
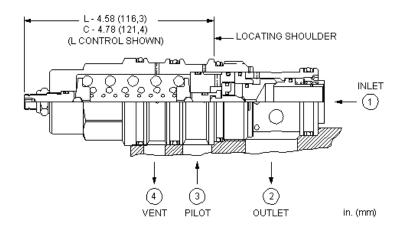


MODEL CWIK

CONFIGURATION

L	Control	Standard Screw Adjustment
н	Functional Setting Range	1000 - 4000 psi (70 - 280 bar), 3000 psi (210 bar) Standard Setting
Ν	Seal Material	Buna-N
(none)	Material/Coating	Standard Material/Coating



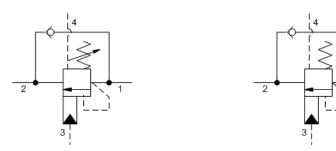


Vented counterbalance valves with pilot assist are meant to control an overrunning load. The check valve allows free flow from the directional valve (port 2) to the load (port 1) while a direct-acting, pilot-assisted relief valve controls flow from port 1 to port 2. Pilot assist at port 3 lowers the effective setting of the relief valve at a rate determined by the pilot ratio. Backpressure at port 2 does not affect the valve setting because the spring chamber references the vent (port 4).

Other names for this valve include motion control valve and over center valve.

TECHNICAL DATA				
Cavity	T-24A			
Series	4			
Capacity	480 L/min.			
Pilot Ratio	1:1			
Maximum Recommended Load Pressure at Maximum Setting	215 bar			
Maximum Setting	280 bar			
Factory Pressure Settings Established at	30 cc/min.			
Maximum Valve Leakage at Reseat	0,3 cc/min.			
Check Cracking Pressure	1,5 bar			
Adjustment - Number of Counterclockwise Turns to Increase Setting	5			
Operating Characteristic	Standard			
Reseat	>85% of setting			
Valve Hex Size	41,3 mm			
Valve Installation Torque	475 - 508 Nm			
Adjustment Screw Internal Hex Size	4 mm			
Locknut Hex Size	15 mm			
Locknut Torque	9 - 10 Nm			
Seal kit - Cartridge	Buna: 990-024-007			
Seal kit - Cartridge	Polyurethane: 990-024-002			
Seal kit - Cartridge	Viton: 990-024-006			
Model Weight	1.59 kg.			

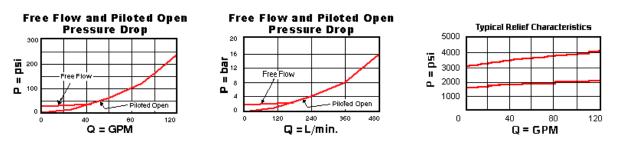
4-Port Vented

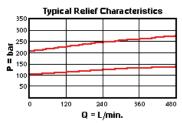


TECHNICAL FEATURES

- Counterbalance valves should be set at least 1.3 times the maximum load induced pressure.
- Turn adjustment clockwise to decrease setting and release load.
- Full clockwise setting is 200 psi (14 bar).
- All 4-port counterbalance, load control, and pilot-to-open check cartridges are physically interchangeable (i.e. same flow path, same cavity for a given frame size).
- Reseat exceeds 85% of set pressure when the valve is standard set. Settings lower than the standard set pressure may result in lower reseat percentages.
- Pressure at port 4 is added to the effective relief setting at a rate of 1 plus the pilot ratio times the pressure.
- Sun counterbalance cartridges can be installed directly into a cavity machined in an actuator housing for added protection and improved stiffness in the circuit.
- This valve has positive seals between all ports.
- With vented valves, a lower pilot ratio may be required to achieve machine stability compared to non-vented valves.
- Incorporates the Sun floating style construction to minimize the possibility of internal parts binding due to excessive installation torque and/or cavity/cartridge machining variations.

PERFORMANCE CURVES





CONFIGURATION OPTIONS

	CONTROL	CONTROL		
Standard Options	с	Tamper Resistant - Factory Set		
	L	Standard Screw Adjustment		
	FUNCTION	FUNCTIONAL SETTING RANGE		
Standard Options	н	1000 - 4000 psi (70 - 280 bar), 3000 psi (210 bar) Standard Setting		
	I	400 - 1500 psi (28 - 105 bar), 1000 psi (70 bar) Standard Setting		
	SEAL MAT	SEAL MATERIAL		

Standard Options	Ν	Buna-N		
	V	Viton		
	MATERIAL	MATERIAL/COATING		
Standard Options		Standard Material/Coating		
	/LH	Mild Steel, Zinc-Nickel		
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PDF created on 18 Oct 2014