



TIPPER HOIST CHECK VALVES

Protection from hydraulic hose failure on truck tippers, dog trailers, grain tippers, and any load hauling vehicle that uses a tipping hoist to raise and tip a load, is a vital safety requirement.

A sudden drop of a tipping bin or trailer, due to a hose bursting, is capable of causing serious injury, permanent disability or even death.

DESCRIPTION:

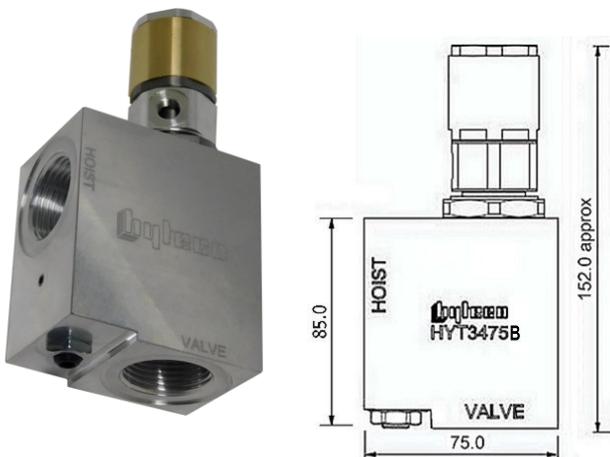
Hyteco Hoist Check Valves are air piloted normally closed poppet check valve specifically designed to hold the load of a tipper hoist cylinder in the event of a hose failure.

Hyteco has two styles to choose from:

- Standard HYT3353-10 with TP Port
- Compact HYT3475B-10 w/o TP Port

The Hoist Check Valves are directly mounted to the hoist cylinder port, being hard connected between the hoist cylinder and the normal hoist control valve, ensuring hose burst protection and load holding.

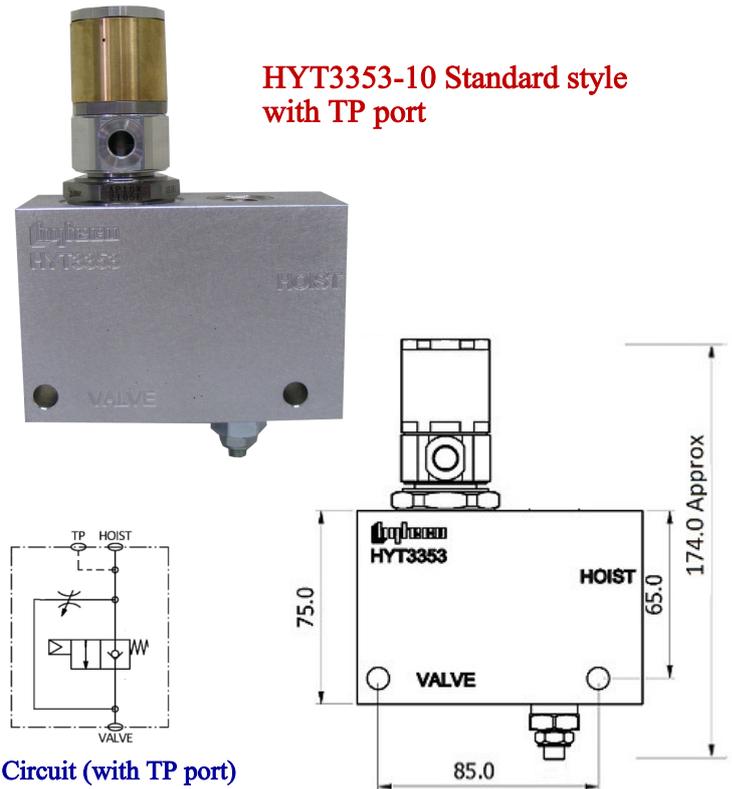
HYT3475B-10 Compact style



TECHNICAL SPECIFICATIONS

Rated flow	150 l/min nominal
Max. pressure	210 bar, 3000 psi based on Alum body
Max. leakage	0.15 cc/min (3 drops/min) @ 350 bar
Manual override	Screw shut-off with locknut
Main ports	1" BSPP Valve and Hoist
Air input port	1/8" BSPP

HYT3353-10 Standard style with TP port



Typ. Circuit (with TP port)

OPERATION:

Raising the hoist cylinder is controlled by the air piloted hoist control valve, which directs oil from the pump to the hoist cylinder, as normal, via the free-flow check in the Hoist Check Valve.

Lowering the hoist cylinder is controlled by the air piloted hoist control valve, whereas the same air supply simultaneously pilot opens the check in the Hoist Check Valve, allowing oil from the hoist cylinder to return to the tank, as normal.

Emergency lowering is via a manual override screw.

Holding the hoist cylinder up in the required position is primarily and safely maintained by the Hoist Check Valve, that is, until the air piloted hoist control valve is operated to raise or lower, as above.



More info? Go to our website
www.hyteco.com.au to see
 our complete range of
 Standard Products.

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