

# Technical Data Sheet



## I05 SERIES TIPPING VALVE

### Single Spool Tipping Valves

The I05 Valve has been designed in response to the changing needs of the modern truck market.

These valves provide another option for truck or trailer tipping applications where compact size is required in conjunction with high flow rates.

Used in conjunction with a proportional air control (e.g. CK90A) the valve controls the rate of lowering.

#### Suits:

Truck or trailer tipping applications.

#### Options:

Service port pressure switches.

Two Speed Lowering via electropneumatic control.

Dual Pressure Relief Valve

## Product Features

- **Hard Chrome Metering Spools**  
Combine with the load hold check valve to provide load independent, proportional control.
- **Monoblock Construction**  
For maximum strength and integrity, allowing for repeatability and long life.
- **Air Operated**  
For ease of engagement remotely via pneumatic or electro pneumatic control.
- **Optional Pressure Switch**  
For use as a body up alarm etc.
- **Extra Large Galleries and Spools**  
To allow for larger flow capacities with extremely low pressure drops.
- **High Flow Rates**  
Lowest pressure drop compared to competitors at high flows. Allows for more cycles per day.

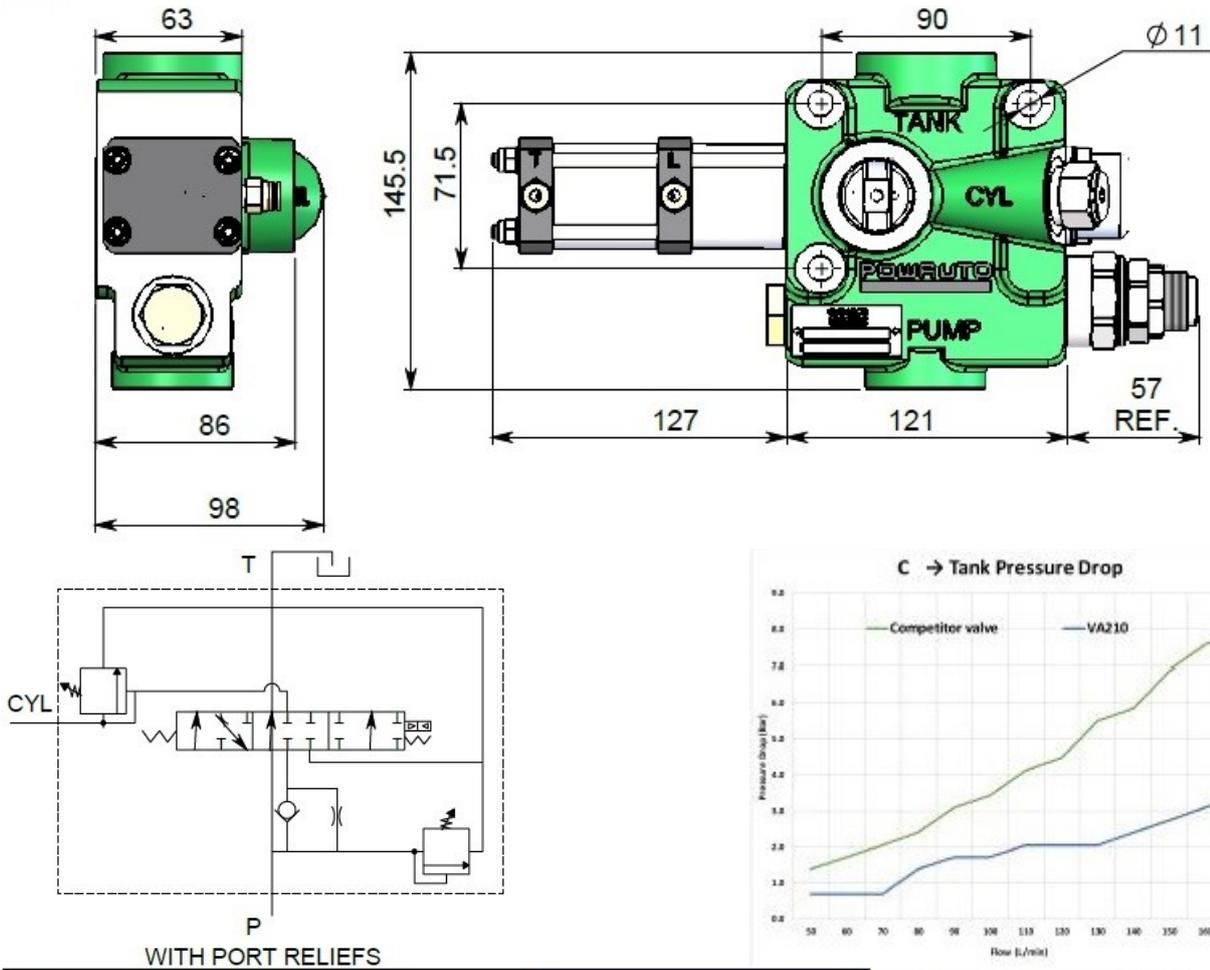


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Technical Specifications		VA105A1221B
Number of Spools		1
Action		Single Acting
Maximum Pressure	Bar / psi	345 / 5000
Pressure Drop @ 170LPM C-T	Bar / psi	3.4 / 49.3
Base Valve Mass	kg	7
Port Sizes - PUMP & CYL		1" BSPP
Port Size - TANK		1 1/4" BSPP
Dual PRV Adjusting Tool	38/30 AF	90000288
Dual PRV Adjusting Tool	41/32 AF	90000289
Pressure Switch (Optional)		49700051B
Seal Kit (does not include 430001 I2G piston)		SK120A
Seal Kit (includes 430001 I2G piston)		SK120C

## VALVE DESIGNATION CODES

I05 series valve

VA I05 A I221 C

Identifier

VA = Valve

Valve Series

I05

Engagement Type

A = Air

Relief Pressure Range (Bar)

I221 = 120 - 210 (1700 - 3000psi)

I234 = 120 - 345 (1700 - 5000psi)

Features

A = Std + Service Port Switch

B = Std (Metering Spool Only)

C = Std + Service Port Switch + Two Speed Lower

D = Std + Two Speed Lower

E = Std + Port Relief

F = Std + Port Relief + Two Speed Lower

G = Std + Two Pressure Relief Valve

H = Std + Service Port Switch + Two Pressure Relief Valve

Note: Hydreco recommends the use of filtration in all hydraulic circuits to a maximum of 25µm.

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