
Models B166 and T166 External Automatic Bypass Valves



Model B166 External
Automatic Bypass Valve



Model T166 External
Automatic Bypass Valve

Solutions beyond products...

CORKEN®

Bypass Valves

B166B (3/4", 1") Automatic Dual-Purpose Bypass Valve

Typical Application: Used with cylinder filling pumps and aerosol propellant feed pumps.

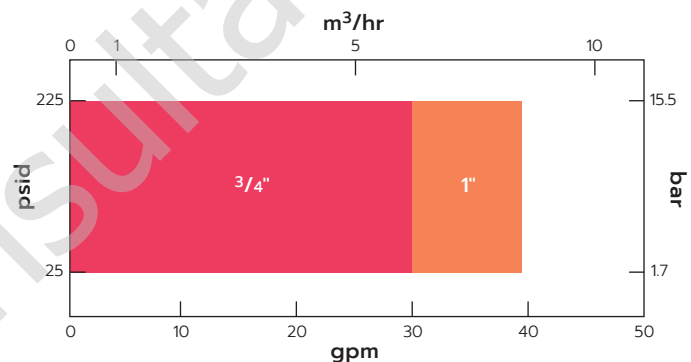
A combination bypass and priming valve specifically designed for small cylinder-filling type pumps, especially of the regenerative turbine type, such as the Corken Coro-Flo® pump series. The patented vapor elimination system keeps liquefied gas pumps primed to increase system reliability and decrease pump and seal wear. The B166B is a smooth operating bypass with moderate pressure build-up.



Specifications	B166B	Model ZV200	B177
Inlet	3/4", 1"	2" (standard)	2", 2-1/2"
Outlet	3/4", 1"	2" (standard)	2", 2-1/2"
Slip-on flange option	No	Yes	Yes
Differential pressure range: psi (bar)	25–225 (1.7–15.5)	41–150 (2.8–10.3)	10–125 (0.7–8.6)
Max. working pressure	400 psig (27.6 bar g)		
O-ring material options	Buna-N (standard), Neoprene [®] , PTFE, Viton [®] , ethylene-propylene		

¹ Registered trademark of the DuPont Company.

B166B Performance



ZV200 (2") Bypass Valve

Typical Applications: Used with both truck and stationary pumps for loading and unloading.

A low-pressure build-up bypass valve designed for applications requiring protection for positive displacement pumps. The continuous internal bleed is ideal for systems with air or electric operated internal valves.



ZV200 Performance

Differential Pressure: psi (bar)	Maximum Rated Flow for Propane: gpm (L/min)
70 (4.82)	180 (681)
120 (8.27)	250 (946)

B177 (2", 2-1/2") Differential Bypass Valve

Typical Application: Used in bulk plant installations with large pumps that load and unload.

A low-pressure build-up bypass valve specifically designed for applications requiring protection for positive displacement pumps ranging from 50 to 350 gpm (11.4 to 79.5 m³/hr). It can also be used as a differential back-pressure valve to assure adequate pressure on meters. To properly function, this valve requires a pressure sensing line from the storage tank.



B177 Performance

