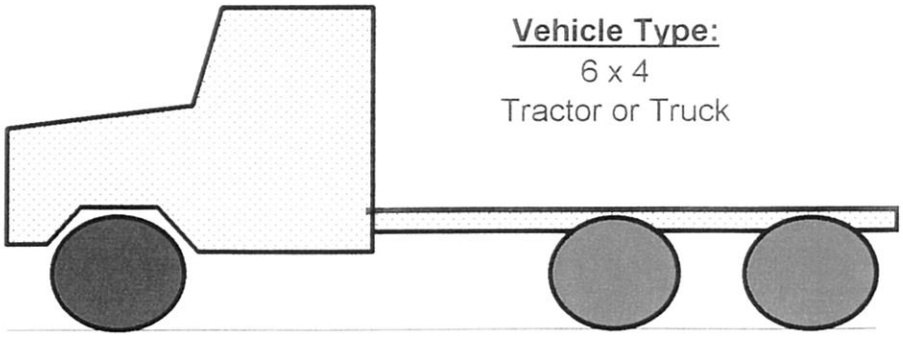
Design Rules For Valves And ABS



Vehicle Type:
6 x 4
Tractor or Truck

	Steering Axle		Drive Axles	
Standard Valve	Quick Release	**Configuration #1a**	Relay	
Hold-Off	6 psi sustained	413-002, -011	5.5 psi	
Circuit	Secondary	432-003, -A01	Primary	
ABS Sensor	Sensed		No	Sensed
ABS Modulator	Modulated		Modulated	Modulated
Chamber	24" or Less		Any	Any
Brake	15" x 4"	402-KA1	Any	Any
Suspension	Any		Suspension Group #1	

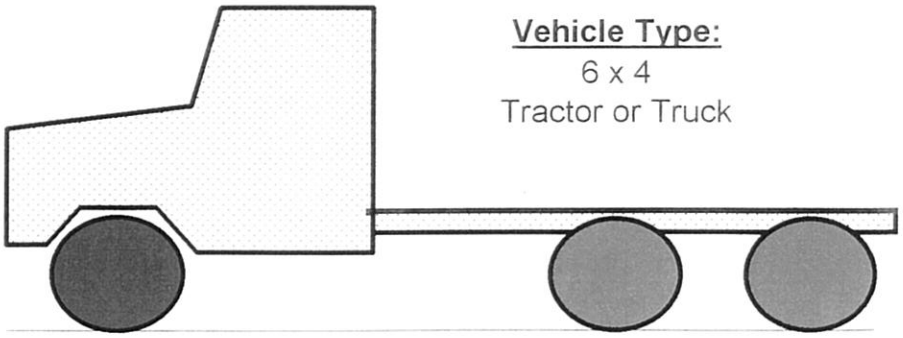
Standard Valve	Quick Release	**Configuration #1b**	Relay	
Hold-Off	6 psi sustained	413-002, -011	5.5 psi	
Circuit	Secondary	432-003, -A01	Primary	
ABS Sensor	Sensed		Sensed	No
ABS Modulator	Modulated		Modulated	Modulated
Chamber	24" or Less		Any	Any
Brake	15" x 4"	402-KA1	Any	Any
Suspension	Any		For Suspension Group #2	

Standard Valve	Quick Release	**Configuration #2a**	Relay	
Hold-Off	3 psi sustained	413-002, -012	5.5 psi	
Circuit	Secondary	432-003, -A01	Primary	
ABS Sensor	Sensed		No	Sensed
ABS Modulator	Modulated		Modulated	Modulated
Chamber	24" or Less		Any	Any
Brake	15x5 or Larger	Not 402-KA1	Any	Any
Suspension	Any		Suspension Group #1	

Standard Valve	Quick Release	**Configuration #2b**	Relay	
Hold-Off	3 psi sustained	413-002, -012	5.5 psi	
Circuit	Secondary	432-003, -A01	Primary	
ABS Sensor	Sensed		Sensed	No
ABS Modulator	Modulated		Modulated	Modulated
Chamber	24" or Less		Any	Any
Brake	15x5 or Larger	Not 402-KA1	Any	Any
Suspension	Any		For Suspension Group #2	

Suspension Group #1: All Air Suspensions, Hendrickson Beam, Chalmers, R/W 6-Rod, Ridewell
Suspension Group #2: F/L Spring, Reyco Spring

Design Rules For Valves And ABS



Vehicle Type:
6 x 4
Tractor or Truck

	Steering Axle		Drive Axles	
Optional Valve	Quick Release	**Configuration #3a**	Relay	
Hold-Off	3 psi sustained	413-002, -012	4.0 psi	
Circuit	Secondary	432-A02	Primary	
ABS Sensor	Sensed		No	Sensed
ABS Modulator	Modulated		Modulated	Modulated
Chamber	24" or Less		Any	Any
Brake	15" x 4"	402-KA1	Any	Any
Suspension	Any		Suspension Group #1	

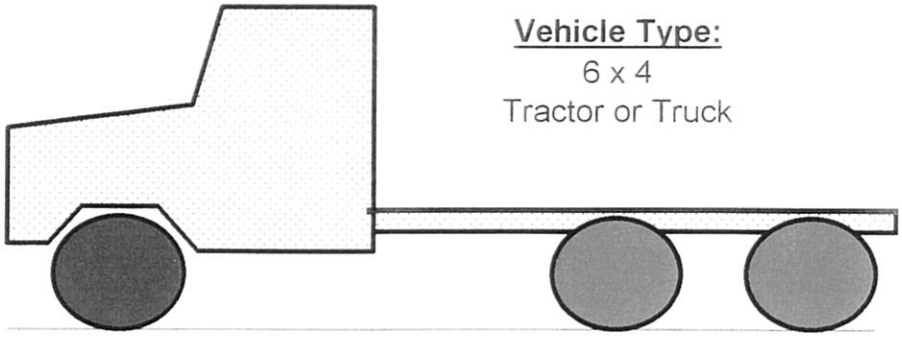
Optional Valve	Quick Release	**Configuration #3b**	Relay	
Hold-Off	3 psi sustained	413-002, -012	4.0 psi	
Circuit	Secondary	432-A02	Primary	
ABS Sensor	Sensed		Sensed	No
ABS Modulator	Modulated		Modulated	Modulated
Chamber	24" or Less		Any	Any
Brake	15" x 4"	402-KA1	Any	Any
Suspension	Any		For Suspension Group #2	

Optional Valve	Quick Release	**Configuration #4a**	Relay	
Hold-Off	0-1 psi	413-002, -006	4.0 psi	
Circuit	Secondary	432-A02	Primary	
ABS Sensor	Sensed		No	Sensed
ABS Modulator	Modulated		Modulated	Modulated
Chamber	24" or Less		Any	Any
Brake	15x5 or Larger	Not 402-KA1	Any	Any
Suspension	Any		Suspension Group #1	

Optional Valve	Quick Release	**Configuration #4b**	Relay	
Hold-Off	0-1 psi	413-002, -006	4.0 psi	
Circuit	Secondary	432-A02	Primary	
ABS Sensor	Sensed		Sensed	No
ABS Modulator	Modulated		Modulated	Modulated
Chamber	24" or Less		Any	Any
Brake	15x5 or Larger	Not 402-KA1	Any	Any
Suspension	Any		For Suspension Group #2	

Suspension Group #1: All Air Suspensions, Hendrickson Beam, Chalmers, R/W 6-Rod, Ridewell
Suspension Group #2: F/L Spring, Reyco Spring

Design Rules For Valves And ABS



Vehicle Type:
6 x 4
Tractor or Truck

	Steering Axle		Drive Axles	
Special Valve	Quick Release	**Configuration #5a**	Relay	
Hold-Off	0-1 psi	413-006 Only	4.0 psi	
Circuit	Secondary	432-A02 Only	Primary	
ABS Sensor	Sensed		No	Sensed
ABS Modulator	Modulated		Modulated	Modulated
Chamber	24" or Less		Any	Any
Brake	15" x 4"	402-KA1	Any	Any
Suspension	Any		Suspension Group #1	

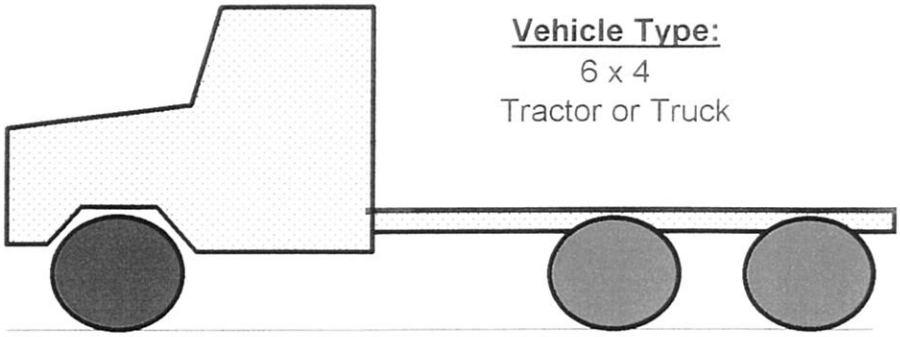
Special Valve	Quick Release	**Configuration #5b**	Relay	
Hold-Off	0-1 psi	413-006 Only	4.0 psi	
Circuit	Secondary	432-A02 Only	Primary	
ABS Sensor	Sensed		Sensed	No
ABS Modulator	Modulated		Modulated	Modulated
Chamber	24" or Less		Any	Any
Brake	15" x 4"	402-KA1	Any	Any
Suspension	Any		For Suspension Group #2	

Optional Valve	Relay	**Configuration #6a**	Relay	
Hold-Off	5.5 psi	413-002, -011	5.5 psi	
Circuit	Secondary	432-003, -A01	Primary	
ABS Sensor	Sensed		No	Sensed
ABS Modulator	Modulated		Modulated	Modulated
Chamber	24" or Larger		Any	Any
Brake	15" x 4"	402-KA1	Any	Any
Suspension	Any		Suspension Group #1	

Optional Valve	Relay	**Configuration #6b**	Relay	
Hold-Off	5.5 psi	413-002, -011	5.5 psi	
Circuit	Secondary	432-003, -A01	Primary	
ABS Sensor	Sensed		Sensed	No
ABS Modulator	Modulated		Modulated	Modulated
Chamber	24" or Larger		Any	Any
Brake	15" x 4"	402-KA1	Any	Any
Suspension	Any		Suspension Group #2	

Suspension Group #1: All Air Suspensions, Hendrickson Beam, Chalmers, R/W 6-Rod, Ridewell
Suspension Group #2: F/L Spring, Reyco Spring

Design Rules For Valves And ABS



Vehicle Type:
6 x 4
Tractor or Truck

	Steering Axle		Drive Axles	
Optional Valve	Relay	**Configuration #7a**	Relay	
Hold-Off	4.0 psi	413-002, -012	4.0 psi	
Circuit	Secondary	432-A02	Primary	
ABS Sensor	Sensed		No	Sensed
ABS Modulator	Modulated		Modulated	Modulated
Chamber	24" or Larger		Any	Any
Brake	15" x 4"	402-KA1	Any	Any
Suspension	Any		Suspension Group #1	

Optional Valve	Relay	**Configuration #7b**	Relay	
Hold-Off	4.0 psi	413-002, -012	4.0 psi	
Circuit	Secondary	432-A02	Primary	
ABS Sensor	Sensed		Sensed	No
ABS Modulator	Modulated		Modulated	Modulated
Chamber	24" or Larger		Any	Any
Brake	15" x 4"	402-KA1	Any	Any
Suspension	Any		Suspension Group #2	

Optional Valve	Relay	**Configuration #8a**	Relay	
Hold-Off	4.0 psi	413-002, -012	5.5 psi	
Circuit	Secondary	432-003, -A01	Primary	
ABS Sensor	Sensed		No	Sensed
ABS Modulator	Modulated		Modulated	Modulated
Chamber	24" or Larger		Any	Any
Brake	15x5 or Larger	Not 402-KA1	Any	Any
Suspension	Any		Suspension Group #1	

Optional Valve	Relay	**Configuration #8b**	Relay	
Hold-Off	4.0 psi	413-002, -012	5.5 psi	
Circuit	Secondary	432-003, -A01	Primary	
ABS Sensor	Sensed		Sensed	No
ABS Modulator	Modulated		Modulated	Modulated
Chamber	24" or Larger		Any	Any
Brake	15x5 or Larger	Not 402-KA1	Any	Any
Suspension	Any		Suspension Group #2	

Suspension Group #1: All Air Suspensions, Hendrickson Beam, Chalmers, R/W 6-Rod, Ridewell
Suspension Group #2: F/L Spring, Reyco Spring