



TECTRAN
Solutions for Transportation Equipment

AIR VALVE PRODUCTS

Introducing Tectran's expanded line of Air Control Valves





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COMPRESSOR GOVERNOR/REGULATOR



Part No. TV275491
Stk. Code 14362



Part No. TV3034730
Stk. Code 14582

Part No.	Stk. Code	Description	Interchange
TV275491	14362	100-120 psi	275491
TV284358	14363	100-120 psi Hi-Temp	284358
TV3034730	14582	Regulator/unloader	9753034730

TRAILER BRAKE HAND VALVES



Part No. TV20541
Stk. Code 14423



Part No. TV20561
Stk. Code 14535

Part No.	Stk. Code	Description	Interchange
TV20541	14423	In-column mount - International	KN20541
TV20561	14535	External column mount kit	KN20561 275509
TV276270	14438	External column mount	276270

FOOT VALVES

SINGLE

- Valve is a graduating directional control valve
- Valve is generally pedal actuated
- Used in a single circuit system
- Part No. TV279950 is suspended pedal design



Part No. TV277863
Stk. Code 14442

Part No. TV279950
Stk. Code 14562

Part No.	Stk. Code	Supply Ports	Delivery Ports (NPT)	Interchange
TV277863	14442	1/2" NPT	1/2"	277863
TV279950	14562	(5) 1/4" NPT	(1) 3/8" & (2) 1/4"	279950

DUAL

- Used in a dual circuit system
- Upper section of valve feeds from reservoir 1
- Lower section of valve feeds from reservoir 2



Part No.	Stk. Code	Supply 1 Ports (2)	Supply 2 Ports (2)	Delivery 1 Ports (2)	Delivery 2 Ports (2)	Interchange
TV286171	14461	3/8" NPT	3/8" NPT	3/8" NPT	3/8" NPT	286171 KN22150

DUAL - FIREWALL MOUNT



Part No.	Stk. Code	Ports (NPT)	Description	Interchange
TV101818	14611	1/2" - 3/8" - 1/4"	Diaphragm at exhaust	101818 287564
TV284760	14572	1/4"	Diaphragm at exhaust O-rings sealed flange	284760
TV288383	14580	1/2" - 1/4"	Diaphragm at exhaust	288383

FOOT PEDAL ASSEMBLY

- Aluminum foot plate
- 45° pedal angle

Part No.	Stk. Code	Interchange
TV4017A	14587	SN4017A 275747





SWITCHES & BUZZERS

LOW PRESSURE SWITCH

- Low pressure switches - contacts open when system pressure is adequate
- Normally closed
- Power wires can be attached directly or using spade terminals (not supplied)
- 12 or 24 volt



Part No. TV13240
Stk. Code 14498



Part No. TV13241
Stk. Code 14530



Part No. TV228750
Stk. Code 14544



Part No. TV279416
Stk. Code 14560

Part No.	Stk. Code	Actuation Pressure	Pole Thread	Terminals	Interchange
TV13240	14498	55 psi	1/8" NPT	2	BE13240
TV13241	14530	66 psi	1/8" NPT	2	BE13241
TV228750	14544	60 psi	1/4" NPT	2	228750
TV279416	14560	60 psi	1/4" NPT	1	279416
TV279472	14561	75 psi	1/4" NPT	1	279472

STOPLIGHT SWITCH

- Stoplight switches - contacts close to activate stop lights when tractor brakes are applied
- 12 or 24 volt



Part No. TV13250
Stk. Code 14531



Part No. TV13255
Stk. Code 14532



Part No. TV228600
Stk. Code 14543

Part No.	Stk. Code	Actuation Pressure	Thread (NPT)	Terminals	Interchange
TV13250	14531	3-5 psi	1/4"	2	BE13250
TV13255*	14532	55 psi	1/8"	3	BE13255
TV228600	14543	3-5 psi	1/4"	2	228600

* Trailer emergency - dual throw

LOW AIR BUZZER

- 12 volts
- 2 screw terminals
- 80 dB



Part No.	Stk. Code	Description	Interchange
19-1055	40037	Air or Vacuum	4099 036043

PUSH/PULL DASH VALVES

MODEL SC



Part No.	Stk. Code	Description	Interchange
TV17600B*	14418	Dolly & Trailer park release	17600B

* Knob, plate not included

MODEL MD

- Tech-Grade Nylon
- Automatic emergency brake control (except for **Part No.** TV20061)
- Knobs, plate not included



Part No. TV20021
Stk. Code 14419



Part No. TV20031
Stk. Code 14421



Part No. TV20061
Stk. Code 14291

Part No.	Stk. Code	Description	Ports (NPT)	psi	Interchange
TV20021	14419	Parking/Emergency brake	1/8"	35 ±10	KN20021
TV20022	14420	Parking/Emergency brake	1/8"	35 ±10	KN20022
TV20031	14421	Panel mount	1/4"	25-35	KN20031
TV20033	14422	Panel mount	1/4"	7-17	KN20033
TV20061	14291	Manual for construction equipment	1/8"	-	KN20061



PUSH/PULL DASH VALVES

MODEL DC

- PTC denotes Push-to-Connect fittings



Part No. TV065661
Stk. Code 14510

Part No.	Stk. Code	Description	Mounting Plate	Ports	Interchange
TV065661	14510	Parking brake control - International	3 hole	3/8" PTC	065661
TV800034	14589	Parking brake control	4 hole	1/4" NPT	800034



Part No.	Stk. Code	Description	Interchange
TV239357	14606	Mounting nut for most models 1-8 PP Valves	239357

MODEL 1

- Controls parking/emergency brake
- Valve only - knobs not included



Part No. TV276566
Stk. Code 14440

Part No.	Stk. Code	Description	Ports (NPT)	psi	Interchange
TV276566	14440	Automatic release	1/8"	20	276566
TV276567	14441	Automatic release	1/8"	40	276567
TV278450	14443	Non-Automatic release	1/8"	-	278450
TV283828	14456	Automatic release	1/8"	60	283828
TV287417	14468	Automatic release	1/4"	30	287417
TV287600	14469	Automatic release	1/4"	40	287600

MODEL 2

- Pressure balanced
- Valve only - knob not included



Part No.	Stk. Code	Ports (NPT)	psi	Interchange
TV276462	14439	1/8"	40	276462 275250

PUSH/PULL DASH VALVES

MODEL 3

- Automatic tripper
- Charges manually

Part No.	Stk. Code	Trip	Trip Exhaust	Interchange
TV288746	14473	40 psi	30 psi	288746



MODEL 5

- Pilot air pressure release @ 18 psi
- Includes mounting nut & boot
- Psi indicated is automatic release pressure

Part No.	Stk. Code	psi	Interchange
TV281946	14454	40	281946



MODEL 7

- Automatic release @ 40 psi

Part No.	Stk. Code	Description	Threaded Exhaust	Interchange
TV288239	14470	Non-override - 20 psi	-	288239 KN20025
TV288241	14471	Non-override - 25 psi	1/4" NPT	288241



Part No. TV288239
Stk. Code 14470

MODEL 8

- Automatic release @ 18 psi

Part No.	Stk. Code	Ports (NPT)	Interchange
TV287238	14466	1/8"	287238 KN20035





MANIFOLD DASH VALVES

MODEL MV

- Combines functions of Model 1 & Model 7 valves
- Mounting holes center to center: Horizontal - 4 7/32" Vertical - 3"



Part No. TV800516
Stk. Code 14486

Part No.	Stk. Code	Mtng. Holes	Ports (NPT)	Interchange
TV101437	14515	1/4"	1/4"	101437
TV800516	14486	.27	1/4"	800516 065157
TV800519	14487	1/4-20	1/4"	800519 065186
TV800522	14488	M6 metric	1/4" 1/8" aux port	800522 065208
TV800523	14593	#10-24	1/4"	800523 065248

MODEL MD

- Horizontal and vertical mounting options



Part No. TV20615
Stk. Code 14540

Part No.	Stk. Code	Mtng. Direction	Mtng. Holes	Ports	Interchange
TV20611	14539	Horizontal	1/4-20 well nuts	1/4" NPT	KN20611
TV20615	14540	Horizontal	1/4-20	1/4" NPT	KN20615

SPOOL KITS

- For Model MD

Part No.	Stk. Code	Description	Interchange
TV31BM	14584	Spool kit for trailer side	RN31BM
TV31BP	14585	Spool kit for tractor side	RN31BP

KNOBS FOR PUSH/PULL VALVES



Part No. TV20900
Stk Code 14594
3/8" shaft



Part No. TV20901
Stk Code 14595
3/8" shaft



Part No. TV20903
Stk Code 14424
3/8" shaft



Part No. TV20904
Stk Code 14541
1/4-20 thread



Part No. TV20905
Stk Code 14542
1/4-28 thread



Part No. TV20906
Stk Code 14596
1/4-28 thread



Part No. TV240302
Stk Code 14432
3/8" shaft



Part No. TV248433
Stk Code 14433
3/8" shaft



Part No. TV248435
Stk Code 14597
3/8" shaft



Part No. TV248502
Stk Code 14434
3/8" shaft



Part No. TV290655
Stk Code 14478
3/8" shaft



Part No. TV291054
Stk Code 14598
5/16" shaft



Part No. TV298817
Stk Code 14599
3/8" shaft



Part No. TV298818
Stk Code 14600
3/8" shaft



FLIPPER CONTROL VALVES

- Panel or remote mounts
- 2 position valves are ON-OFF
- Manually controlled



Part No. TV20001
Stk. Code 14650



Part No. TV229635
Stk. Code 14546



Part No. TV229635B
Stk. Code 14641



Part No. TV280905
Stk. Code 14450

Part No.	Stk. Code	Description	Ports (NPT)	Interchange
TV20001	14650	2 Position - Tech-Grade Nylon	(2) 1/8" delivery (1) 1/8" supply	KN20001 229635
TV229635	14546	2 position	(2) 1/8" delivery (1) 1/8" supply	229635
TV229635B	14641	2 position - Brass	(2) 1/8" delivery (1) 1/8" supply	401040
TV280905	14450	Dual control - 2 position centering	(2) 1/8" delivery (1) 1/8" supply	280905

FLIPPER VALVE PLATES



Part No. TV229051
Stk. Code 14643

Part No.	Stk. Code	Description	Interchange
TV229003	14642	Truck/Tractor Protection	-
TV229011	14644	Fifth Wheel	K1451511
TV229051	14643	Inter-Axle	K145151
TV229057	14298	ON-OFF	K145157

TOGGLE/FLIPPER VALVES

- Used for air & air-electric applications with built in pressure switch and terminals for light or buzzer indicator
- 3-way
- Maximum operating pressure 150 psi
- Push-to-Connect fittings for 1/4" nylon tubing
- Tech-Grade Nylon



Part No.	Stk. Code	Description	Interchange
DV3200-1A	14613	Paddle Toggle, Air-Electric 1/4" blade	401157
DV3200-2E	14614	Blade Toggle, Air-Electric 1/4" blade	401158
DV3200-3A	14615	Bat Toggle, Air-Electric 1/4" blade	401159



Part No.	Stk. Code	Description	Interchange
DV3202-1A	14616	Paddle Toggle, Air only	401160
DV3202-2E	14617	Blade Toggle, Air only	401161
DV3202-3	14618	Bat Toggle, Air/Air Electrical	401311



Part No.	Stk. Code	Description	Interchange
DV3223-1	14621	Flipper Valve, Air-Electric - Right OFF	401162
DV3223-2	14622	Flipper Valve, Air-Electric - Right ON	032235
DV3224-1	14623	Flipper Valve, Air only - Right ON	401163



Part No.	Stk. Code	Description	Interchange
DV3220-1	14619	Flipper Valve, Air-Electric - Right OFF - "P" lever	032232
DV3222-1	14620	Flipper Valve, Air only - Right OFF - "P" lever	-



ROCKER DASH VALVES

- Fits standard 22mm x 44 mm openings
- Push-to-Connect fittings for 1/4" nylon tubing



Part No. DV3242-3
Stk. Code 14625



Part No. DV3244-1
Stk. Code 14626

Part No.	Stk. Code	Description	Interchange
DV3013-9	14624	EZ Exit	401252
DV3242-3	14625	Universal - No lettering	401250
DV3244-1	14626	Inter-Axle differential lock	401244
DV3244-2	14627	Fifth Wheel	401245
DV3244-3	14628	Air suspension dump	401246
DV3244-4	14629	PTO	401247
DV3244-5	14630	Air intake	401248

SEAT VALVES

- Momentary
- 3-way
- Adjusts height in air spring truck seats



Part No. 91-8300
Stk. Code 14089



Part No. 91-8306
Stk. Code 14095



Part No. 91-8307
Stk. Code 14096



Part No. 91-8308
Stk. Code 14097

Part No.	Stk. Code	Description	Interchange
91-8300	14089	Standard seat valve End and side 1/8"ports with removable chrome knob	401147
91-8306	14095	Double end ported seat valve (2) 1/8"ports with removable chrome knob	401150
91-8307	14096	Combo valve, electric/air (1) 1/8"port and electric version with two 1/4" blade terminals w/removable black knob	401151
91-8308	14097	Paddle style seat and lumbar valve (2) 3/16" - barb connections	401149

TRANSMISSION VALVES

SHIFT KNOBS



Part No.	Stk. Code	Description	Interchange
TRV6909	14382	FR/FRO/RT/RTO - 8-10 Speed	A6909 A5010
TRV6910	14383	RTLO - 10 Speed	A6910
TRV6913	14384	RT/RTLO - 13 Speed	A6913 A4900
TRV6915	14385	RT/RTO 8LL - 15 Speed	A6915 A5015
TRV6918	14609	RTLO - 18 Speed	A6918 A5013

SELECTOR VALVES



Part No. TRV4487
Stk. Code 14494

Part No.	Stk. Code	Description	Interchange
TRV4487	14494	3 Position - 9 Speed	A4487
TRV4490	14495	3 Position - 13 Speed	A4490
TRV4491	14496	2 Position - 9 Speed	A4491

SLAVE VALVES



Part No. TRV5000
Stk. Code 14511

Part No.	Stk. Code	Description	Interchange
TRV4688	14612	Early model	A4688
TRV5000	14511	Late model	A5000

RANGE VALVE



Part No.	Stk. Code	Description	Interchange
TRV3546	14492	Up/High - Down/Low	A3546



TRANSMISSION VALVES

REGULATORS



Part No. TRV16743
Stk. Code 14491



Part No. TRV2170
Stk. Code 14499



Part No. TRV4740
Stk. Code 14500



Part No. TRV9072
Stk. Code 14503

Part No.	Stk. Code	Description	Interchange
TRV16743	14491	Early model - Preset 57-63 psi	16743
TRV2170	14499	Filter/Regulator - Preset 57-65 psi	K2170
TRV4740	14500	Filter/Regulator - Preset 57-65 psi	A4740
TRV9072	14503	Meritor 9,10,13 Speed	A3280X9072

QUICK RELEASE VALVES

- Cast aluminum
- Two mounting holes: 1.5" centers, .34" diameter
- Crack pressure <1 psi



Part No.	Stk. Code	Inlet (NPT)	Outlet (NPT)	Interchange
TV229813	14427	3/8"	1/4"	229813
TV229844	14428	1/2"	1/4"	229844
TV229859*	14429	3/8"	3/8"	229859 288251
TV229860*	14430	1/2"	3/8"	229860

* Threaded exhaust port

- Tech-Grade Nylon
- Two mounting holes: 1.5" centers, .34" diameter
- Crack pressure <1 psi
- Steel mounting plate



Part No.	Stk. Code	Inlet (NPT)	Outlet (NPT)	Interchange
TV065066	14497	1/2"	3/8"	065066 802745
TV065067	14608	3/8"	3/8"	065067 802743



QUICK RELEASE VALVES

WITH DOUBLE CHECK

- Prevents compounded braking
- 1 psi maximum supply and delivery differential
- Mounting holes: (2) 11/32" diameter at 1.5" centers
- TV107881 includes threaded exhaust w/silencer

Part No.	Stk. Code	Supply & Balance Ports (2)	Delivery Ports (2)	Interchange
TV107881	14405	1/4" NPT	3/8" NPT	107881
TV289182	14476	1/4" NPT	1/4" NPT	289182
TV289714	14477	1/4" NPT	3/8" NPT	289714 KN32041



Part No. TV289714
Stk. Code 14477

IN-LINE

- Exhaust valves mount in-line between the gladhand and the tractor protection valve to speed up release of the trailer's service brakes
- Helps reduce wear on trailer brake components
- Helps improve brake timing



Part No. 80-1094
Stk. Code 14076



Part No. 80-1095
Stk. Code 14077



Part No. TV800333
Stk. Code 14482

Part No.	Stk. Code	Ports (NPT)	Description	Interchange
80-1094	14076	1/2"	Mounts between tractor protection valve & trailer hose	401145
80-1095	14077	1/2"	Mounts at gladhand end of trailer hose	401146
TV800333	14482	1/2"	Mounts into tractor protection valve at control or supply or both	800333

QUICK EXHAUST VALVES

- Super quick exhaust valves have a special polyurethane shuttle
- Shuttle's travel distance provides for extended life
- Zinc die cast body
- **Not for use in vehicle's primary air system**

Part No.	Stk. Code	Ports (NPT)	Exhaust Port	Interchange
80-1096	14078	(2) 1/4"	3/8"	QE2
80-1097	14079	(2) 3/8"	3/8"	QE3
80-1098	14080	(2) 3/4"	3/4"	QE5



SPRING BRAKE VALVES - TRACTOR

- Modulates control of spring brake application if a failure of the service brake system occurs



Part No. TV103081
Stk. Code 14401



Part No. TV286364
Stk. Code 14462

Part No.	Stk. Code	Description	Ports (NPT)	Interchange
TV103081	14401	Release pressure 95 psi	1/4", 3/8"	103081
TV286364	14462	Reservoir trip pressure 55 psi	1/4"	286364

LIMITING/RATIO VALVES

- Limiting and quick release
- Limits front axle brake application
- Pre-1985 vehicles only



Part No. TV229507
Stk. Code 14426

Part No.	Stk. Code	Supply Port (NPT)	Delivery Ports (NPT)	Interchange
TV229505	14425	3/8"	3/8"	229505
TV229507	14426	1/2"	1/4"	229507 229509
TV288417*	14472	3/8"	3/8"	288417

*Threaded exhaust

FRONT AXLE RATIO VALVE



Part No. TV289144
Stk. Code 14474

Part No.	Stk. Code	Description	Ports (NPT)	Interchange
TV289144	14474	Nominal hold off - 4 psi Nominal equalizing - 60 psi	3/8"	289144
TV289148	14475	Nominal hold off - 10 psi Nominal equalizing - 65 psi	3/8"	289148



TRACTOR PROTECTION VALVES

MODEL 3



Part No.	Stk. Code	Tractor Port		Trailer Port		Interchange
		Service	Emergency	Service	Emergency	
TV279000	14444	3/8" NPT	1/4" NPT	1/2" NPT	1/2" NPT	279000

MODEL 5

- PTC denotes Push-to-Connect fitting



Part No.	Stk. Code	Stoplight Switch	Rear Service	Front Service	Trailer Control	Trailer Service	Trailer Supply	Interchange
TV288605	14581	1/4" PTC	3/8" PTC	3/8" NPT	3/8" NPT	1/2" NPT	1/2" NPT	288605

MODEL MD

Part No.	Stk. Code	Description	Interchange
TV34050	14586	3 line automatic - old style	KN34050
TV34110	14481	2 line manifold style w/exhaust tube	KN34110
TV34130	14601	2 line manifold style - Body rotated 180° from TV34110	KN34130



RELAY VALVES

BOBTAIL PROPORTIONING

- 1/8" control in top cover



Part No. TV065145
Stk. Code 14388

Part No.	Stk. Code	Crack Pressure	Interchange
TV065145	14388	4 psi	065145
TV065146	14389	5.5 psi	065146

PILOT/SPEED UP

- Speeds up control signal and brake release in applications with long service lines (towing trailers & dollies)



Part No. TV065476
Stk. Code 14391



Part No. TV28300
Stk. Code 14455



Part No. TV287114
Stk. Code 14465

Part No.	Stk. Code	Delivery Ports (NPT)	Interchange
TV065476	14391	(4) 3/8"	065476
TV28300	14455	(2) 1/2"	KN28300
TV287114	14465	(2) 1/2", (1) 1/4"	287114

MODEL SC



Part No. TV110139
Stk. Code 14406



Part No. TV110197
Stk. Code 14410



Part No. TV110415
Stk. Code 14413

Part No.	Stk. Code	Crack Pressure	Delivery Ports (NPT)	Notes	Interchange
TV110139	14406	4.5 psi	(4) 3/8" vertical	Ratio style	110139
TV110197	14410	4 psi	(2) 3/8" horizontal	Old style	110197
TV110380	14524	1.5 psi	(4) 3/8" vertical	Low crack pressure	110380
TV110415	14413	4 psi	(4) 3/8" vertical	-	110415



RELAY VALVES

MODEL MD



Part No. TV28060
Stk. Code 14448



Part No. TV28071
Stk. Code 14564



Part No. TV28131
Stk. Code 14568



Part No. TV28510
Stk. Code 14459

Part No.	Stk. Code	Crack Pressure	Delivery Ports Horizontal (NPT)	Description	Interchange
TV28060	14448	4.5 psi	(2) 3/8"	Single control	KN28060
TV28065	14563	4.5 psi	(2) 1/2"	Dual control - metal bracket	KN28065
TV28071	14564	4.5 psi	(2) 1/2"	w/Anti-compounding - metal bracket	KN28071
TV28080	14565	7 psi	(4) 3/8"	Single control	KN28080
TV28131	14568	4.5 psi	(2) 1/2"	Single control	KN28131 KN28130
TV28500	14458	5.5 psi	(2) 3/8"	Compact - 3/8" supply	KN28500
TV28510	14459	5.5 psi	(2) 3/8"	Compact - 3/8", 1/2" supply	KN28510
TV28520	14460	5.5 psi	(2) 1/2"	Compact - 1/2" supply	KN28520
TV28550	14573	6 psi	(2) 3/8"	Compact - Tech-Grade Nylon	KN28550

MODEL 6



Part No. TV279180
Stk. Code 14445

Part No.	Stk. Code	Supply Ports (NPT)	Delivery Ports (NPT)	Control Ports (NPT)	Description	Interchange
TV279180	14445	3/8"	3/8"	1/4"	-	279180
TV279952	14446	3/4", 3/8"	3/8"	1/4"	-	279952
TV280375	14447	1/2"	3/8"	1/4"	Top Rotated	280375
TV283940	14457	3/8"	3/8"	1/4"	Top Rotated	283940

RELAY VALVES

MODEL 8



Part No.	Stk. Code	Description	Interchange
TV286370	14463	*1/8" balance port under exhaust cover on top	286370 286371

MODEL 12



Part No. TV065303
Stk. Code 14390



Part No. TV102626
Stk. Code 14395



Part No. TV103009
Stk. Code 14397

Part No.	Stk. Code	Crack Pressure	Supply Port (NPT)	Delivery Ports (NPT)	Control Ports (NPT)	Interchange
TV065104	14386	4 psi	1/2"	(4) 3/8" vertical	1/4"	065104 5003365 A103600
TV065125	14387	5.5 psi	1/2"	(2) 1/2" horizontal	1/4"	065125
TV065303	14390	4 psi	1/2"	(2) 3/8" vertical (2) 3/8" horizontal	1/4"	065303
TV102626	14395	4 psi	1/2"	(4) 1/2" vertical	1/4"	102626 A86477
TV103009	14397	4 psi	3/4"	(2) 1/2" horizontal	1/4"	103009
TV104165	14402	7.5 psi	3/4"	(2) 1/2" horizontal	1/4"	104165
TV104561	14403	5.5 psi	1/2"	(4) 3/8" vertical	1/4"	104561

MODEL 14

- Similar to Model 12 relay valves with an optional extra port to prevent compounding*
- Metal unmounted bracket provided with all valves
- Crack pressure 4 psi



Part No. TV103010
Stk. Code 14398



Part No. TV103028
Stk. Code 14399

Part No.	Stk. Code	Supply Port (NPT)	Delivery Ports (NPT)	Control Ports (NPT)	Balance Ports (NPT)	Interchange
TV103010	14398	3/4"	(2) 1/2" horizontal	1/4"	1/8"	103010
TV103028	14399	1/2"	(4) 1/2" vertical	1/4"	1/8"	103028
TV104574	14404	1/2"	(2) 1/2" horizontal	1/4"	1/8"	104574



SYNCHRONIZING VALVES



Part No. TV278825
Stk. Code 14559

Part No.	Stk. Code	Inlet Opening	Outlet Opening	Interchange
TV278825	14559	42 psi	28 psi	278825
TV282472	14569	21 psi	11 psi	282472
TV283700	14570	62 psi	50 psi	283700

INVERSION VALVES

- Inlet opens at descending pressure shown
- Outlet opens at ascending pressure shown



Part No. TV281459
Stk. Code 14552

Part No.	Stk. Code	Inlet Opening	Outlet Opening	Interchange
TV280758	14449	45 psi	60 psi	280758
TV281318	14451	35 psi	70 psi	281318
TV281459	14452	25 psi	40 psi	281459

DRAIN VALVES

MANUAL DRAIN VALVES

- Stainless steel spring
- Nylon covered steel cable
- 1/4" NPT male thread
- Crimped versions have cables cut to length and are ready to install
- Uncrimped version has the cable attached to the valve with the pull end of the cable unfinished. It can be cut to the desired length and crimped with the clip supplied
- Can be used on wet or dry tanks



Part No.	Stk. Code	Assembly Length	Interchange
TV12102	14355	2' crimped	12102
TV12103	14356	3' crimped	12103
TV12104	14357	4' crimped	12104
TV12105	14358	5' crimped	12105
TV12105U	14359	5' uncrimped	-

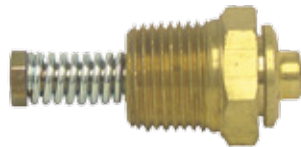
AUTOMATIC DRAIN VALVES

- Automatic Reservoir
- Mounts to wet tank
- 1/4" NPT male thread
- 3/8" NPT supply & delivery port



Part No.	Stk. Code	Description	Interchange
TV281923	14360	Non-heated	281923 KN24000
TV284412	14361	Heated - 12 volt	284412 KN24001

PRESSURE / SAFETY VALVES



Part No. TV31200
Stk. Code 14648



Part No. TV284142
Stk. Code 14296

Part No.	Stk. Code	Thread (NPT)	Pressure Relief Setting	Interchange
TV31200	14648	1/4"	150 psi	KN31200
TV31250	14649	3/8"	150 psi	KN31250
TV131081	14490	1/2"	250 psi	131081
TV284142	14296	1/4"	150 psi	205105 284142
TV284143	14571	3/8"	150 psi	284143



CHECK VALVES

SINGLE



TYPE 1
FEMALE/MALE



TYPE 2
FEMALE/FEMALE



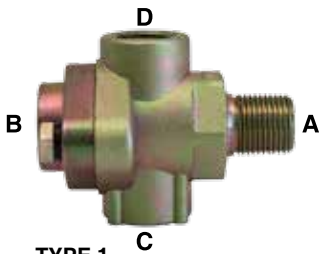
TYPE 3
FEMALE/MALE - 90°



TYPE 4
FEMALE/MALE
OFFSET Z

Part No.	Stk. Code	Type	Ports (NPT)	Interchange
TV23040	14547	1	3/4"	KN23040
TV800369	14483	2	3/4"	800369
TV800370	14484	2	1/2"	800370
TV800372	14591	1	1/2"	800372 KN23000
TV800372Z	14645	4	1/2"	401018
TV800373	14592	1	3/8"	800373 KN23010
TV800375	14651	1	1/4"	800375
TV800376	14485	3	1/2"	800376 KN23060
TV801144	14489	2	1/4"	801144 KN23080

DOUBLE



TYPE 1



TYPE 2



TYPE 3

Part No.	Stk. Code	Type	Inlet Ports (NPT)		Outlet Ports (NPT)		Interchange
			A	B	C	D	
TV278595	14552	1	1/2"	1/4"	1/4"	1/4"	278595
TV278596	14553	1	1/2"	1/4"	3/8"	3/8"	278596
TV278597	14554	1	3/8"	1/4"	1/4"	1/4"	278597
TV278598	14555	1	3/8"	1/4"	3/8"	3/8"	278598
TV278599	14556	1	1/2"	3/8"	3/8"	3/8"	KN25100 278599
TV278614	14557	2	3/8"	3/8"	3/8"	-	278614 KN25060
TV278615	14558	2	3/8"	1/4"	1/4"	-	278615
TV280809	14566	1	3/8"	3/8"	3/8"	3/8"	280809 KN25110
TV401029	14646	3	1/4"	1/4"	1/4"	1/4"	401029
TV401084*	14647	3	1/4"	1/4"	1/4"	1/4"	401084

*Barbed fitting at exhaust port for 1/2" nylon tubing

PRESSURE PROTECTION VALVES

MODEL P2



Part No. TV277147
Stk. Code 14548

Part No.	Stk. Code	Ports (NPT)	Normal Closing	Interchange
TV277147	14548	1/4"	65 psi	277147
TV277148	14549	1/4"	85 psi	277148
TV277226	14550	1/4"	60 psi	277226
TV277227	14551	1/4"	75 psi	277227

MODEL P4



Part No. TV286500
Stk. Code 14464

Part No.	Stk. Code	Ports (NPT)	Normal Closing	Interchange
TV286500	14464	1/4"	85 psi	286500 287827
TV288323	14579	1/4"	70 psi	288323

MODEL SC



Part No. TV140270
Stk. Code 14415

Part No.	Stk. Code	Ports (NPT)	Normal Closing	Interchange
TV140200	14414	3/8"	50 psi	140200
TV140270	14415	3/8"	60 psi	140270
TV140280	14416	3/8"	70 psi	140280
TV140290	14417	3/8"	80 psi	140290

MODEL GT



Part No.	Stk. Code	Inlet Ports (NPT)	Outlet Ports (NPT)	Opening Pressure	Closing Pressure	Interchange
91-8301*	14090	1/2"	3/8"	85 psi	67 psi	401155
91-8302	14091	1/2"	1/4"	100 psi (max)	70 psi (min)	401156
91-8303	14092	3/8"	3/8"	55 psi	45 psi	401152
91-8304	14093	3/8"	3/8"	85 psi	67 psi	401153
91-8305**	14094	1/2"	3/8"	55 psi	45 psi	401154

*Red cap **Black cap



PRESSURE PROTECTION VALVES

MODEL MDP



Part No. TV31000
Stk. Code 14480

Part No.	Stk. Code	Inlet/Outlet Ports (NPT)	Open Op. psi	Close Op. psi	Accessory Port B (NPT)	Accessory Port C (NPT)	Interchange
TV31000	14480	1/4"	65 ± 8	45 ± 8	1/4"	1/8"	KN31000
TV31001	14602	1/4"	65 ± 8	45 ± 8	-	-	KN31001
TV31002	14603	1/4"	80 ± 8	60 ± 8	1/4"	1/8"	KN31002
TV31010	14604	1/4"	100 ± 8	90 ± 8	-	-	KN31010
TV31011	14605	1/4"	70 ± 8	60 ± 8	-	-	KN31011

PRESSURE REGULATORS

- Relieving type



Part No. 80-1066
Stk. Code 12156



Part No. 80-1077
Stk. Code 12162



Part No. 80-2007
Stk. Code 12189



Part No. 80-2008
Stk. Code 12190

Part No.	Stk. Code	Description	Regulating Range	Ports (NPT)
80-1066	12156	Panel mount - Max. input pressure 300 psi	5 - 120 psi	(4) 1/8"
80-1077	12162	Bracket mount - Max. input pressure 300 psi	5 - 125 psi	(4) 1/4"
80-2007	12189	Max. inlet pressure 300 psi	2 - 60 psi	(2) 1/4" (2) 1/8"
80-2008	12190	Max. inlet pressure 300 psi	2 - 125 psi	(2) 1/4" (2) 1/8"

RELAY EMERGENCY VALVES

- Pre 121 or exempt trailer systems



Part No. TV1000S
Stk. Code 14392



Part No. TV110200
Stk. Code 14411



Part No. TV281865
Stk. Code 14453



Part No. TV30400
Stk. Code 14479

Part No.	Stk. Code	Description	Interchange
TV1000S	14392	Charging style - Very old - Replace w/TV281865	A1000S 1000-5A
TV110200	14411	Ratio style 1/4" supply & control	110200
TV110205	14412	Ratio style 3/8" supply & control	110205
TV110338	14517	Non-charging	110338
TV110470	14512	TV110200 without Ratio feature	110470
TV281865	14453	Dome style	281865 281860
TV30400	14479	Wagner style	KN30400 KN30300

VALVE MOUNTING FITTINGS

- Steel nipples support valves mounted to air tanks

HEX NIPPLE



Part No.	Stk. Code	Thread A (NPT)	Thread B (NPT)
S1022-D	88378	1/2"	1/2"
S1022-E	89901	3/4"	3/4"
S1022-ED	88379	1/2"	3/4"

CLOSED NIPPLE



Part No.	Stk. Code	Thread A (NPT)	Thread B (NPT)
S112-D	88713	1/2"	1/2"
S112-E	88714	3/4"	3/4"

ADAPTER



Part No.	Stk. Code	Thread Female	Thread Male
S120-DD	88715	1/2"	1/2"
S120-ED	88716	3/4"	1/2"
S120-EE	88717	3/4"	3/4"



SPRING BRAKE VALVES - TRAILER

MODEL 2



Part No. TV103061
Stk. Code 14400

Part No.	Stk. Code	Description	Interchange
TV102761	14396	3/4" Reservoir port	102761
TV103061	14400	1/2" Reservoir port	103061
TV287376	14467	3/4" Reservoir port without anti-compounding	287376

MODEL 4



Part No. TV101112
Stk. Code 14393

Part No.	Stk. Code	Description	Interchange
TV101112	14393	3/4" Reservoir port	101112
TV101622	14394	1/2" Reservoir port	101622

MODEL 5



Part No. TV065439
Stk. Code 14513

Part No.	Stk. Code	Description	Interchange
TV065437	14523	3/4" Reservoir port	065437 109615
TV065439	14513	1/2" Reservoir port	065439 109617

MODEL MD

- Reservoir ports 1/2", 3/8"
- All other ports 3/8"
- Service (control) has brass adapter*



Part No. TV26010
Stk. Code 14436

Part No.	Stk. Code	PPV Closing		Interchange
		Pressure	Trailer Supply Port Plugged	
TV26000	14435	55 psi	None	KN26000
TV26010	14436	70 psi	Port directly above 3/8" reservoir	KN26010
TV26020	14437	70 psi	Port at 90° rotation above reservoir ports	KN26020

SPRING BRAKE VALVES - TRAILER

MODEL SC1

- All ports 3/8" NPT except reservoir port as noted
- Service (control) port has brass adapter*



Part No. TV110170
Stk. Code 14407

Part No.	Stk. Code	Reservoir Port	Supply/Control Cover Rotation	Interchange
TV110170	14407	1/2"	90° to reservoir ports	110170
TV110171	14408	1/2", 3/8	Aligned with reservoir ports	110171
TV110191	14409	3/8", 1/2"	Aligned with reservoir ports	110191

MODEL SC2



Part No. TV110500
Stk. Code 14529



Part No. TV110700
Stk. Code 14526



Part No. TV110800
Stk. Code 14527

Part No.	Stk. Code	Description	Interchange
TV110500	14529	Spring brake priority	110500
TV110700	14526	Service brake priority	110700
TV110800*	14527	Includes internal passage to fill tank	110800

*Identifying feature is the hole in flange below service (control) port

MODEL TS



Part No.	Stk. Code	Description	Interchange
TV51301	14588	Spring brake priority	51301 110500



TRAILER/DOLLY VALVES - OTHER

SINGLE VALVE TRAILER SYSTEM



Part No. TV12352
Stk. Code 14514



Part No. TV28600
Stk. Code 14575

Part No.	Stk. Code	Description	Interchange
TV12352	14514	Service/Emergency - old style	KN12352
TV28600*	14575	Full function 3/4" reservoir	KN28600
TV28601*	14576	Full function 1/2" reservoir	KN28601

*Top and bottom sections are Tech-Grade Nylon

EMERGENCY BRAKE CONTROL

- Most commonly used with Dollies



Part No.	Stk. Code	Description	Interchange
TV110376	14610	All ports 3/8" NPT	110376



WILLIAMS AIR VALVES

HAND CONTROL VALVES

- Control range 0-120 psi
- Adjustable handle stops
- (1) 1/4" NPT port - (1) 1/8" NPT gauge port



Part No.	Stk. Code	Description
WM606C2C	15278	Valve
WM114471	15063	Repair Kit

3-WAY PILOT VALVES

- Temperature range -20°F to 200°F
- Flow rating -35 SCFM at 100 psi
- Port Sizes: 1/4" NPT Inlet & Outlet, 1/8" NPT control ports



Part No. WM147C
Stk. Code 15150



Part No. WM147F
Stk. Code 15152

Part No.	Stk. Code	Description
WM147C	15150	Normally closed 3-way - Control pressure to open 15-30 psi
WM147F	15152	Normally open 3-way - Control pressure to close 30-50 psi, to reopen 15-30 psi
WM147P	15155	Normally open 3-way - Control pressure to close 10-30 psi, to reopen 5-10 psi

PRESSURE REGULATING VALVES

- Application: Protecting an air brake system from failure in an auxiliary system
- Normally closed valve until a pressure of 70 Psi is reached
- Valve will automatically close if pressure drops below 70 psi in compliance with the latest revisions to FMVSS121
- (2) 1/4" NPT ports



Part No.	Stk. Code	Description
WM778A	15292	Does not include In-Line Filter
WM778A1	15293	Includes In-Line Filter

TOGGLE VALVE



Part No. WM219C4
Stk. Code 15160

- 2-way, two position flipper valve
- (2) 1/8" NPT ports with (1) 1/16" exhaust port
- Body is die cast zinc alloy
- Bottom inlet

SHUTTLE VALVE



Part No. WM80
Stk. Code 15331

- 2-way shuttle
- (3) 3/8" NPT ports - 1/8" NPT gauge port
- Flow rating - 200 SCFM at 100 psi
- WM80 (shown) - does not have a gauge port

PROPORTIONING VALVE



Part No. WM318A
Stk. Code 15169

- (3) 1/4" NPT ports
- Outlet pressure to input pressure ratio is adjustable from 1.3:1 to 0.8:1



HEIGHT CONTROL VALVES

MODEL HD



Part No. 80-450CE
Stk. Code 14525

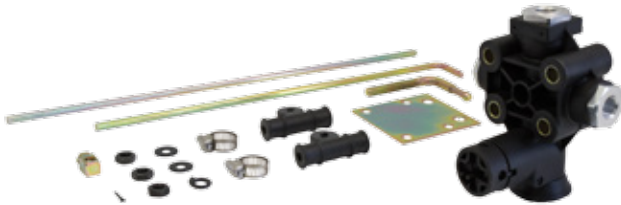


Part No. 80-500C
Stk. Code 14380

Part No.	Stk. Code	Description	Interchange
80-450CE	14525	Universal tractor & trailer - old style	H00450CE
80-500C	14380	Integral dump - multiple trailer applications	H00500C

MODEL HX

- PTC denotes Push-to-Connect fittings



Part No. 80-27000
Stk. Code 14528



Part No. 80-54007
Stk. Code 14381



Part No. 80-55105
Stk. Code 14518

Part No.	Stk. Code	Description	Interchange
80-27000*	14528	Universal standard flow Includes linkage kit	KN27000
80-54007	14381	Universal tractor & trailer applications	90054007
80-55105*	14518	Tech-Grade Nylon - Replacement for 90554241	90555105 90554241

*Tech-Grade Nylon



HADLEY HEIGHT CONTROL VALVES

HEIGHT CONTROL VALVE - OLD STYLE

80-1006 Valves Include: Two Lever Arms & Two Mounting Brackets

- Used on several OEM applications and interchangeable with all current height control models
- Universal mounting bracket can be used to mount on left OR right side
- Kit also includes a straight arm to broaden the application range
- Integral supply port check valve to prevent "leak downs"



Part No.	Stk. Code	Description	Interchange
80-1006	12144	HVC for Cab, Chassis or Trailer	H00450CE
80-1006ND	12148	HVC for Cab, Chassis or Trailer Non-Delay with quick reaction and function features	H00450CA

HEIGHT CONTROL VALVE - WITH INTEGRAL DUMP VALVE

80-1005 Valves Include: Three Lever Arms & Two Mounting Brackets

- Universal and versatile Dump and Non Dump valve for Tractor and Trailer applications.
- Utilized on a number of Class A RV applications.
- Highest flow rate and the best reliability and repeatability in the industry.
- The Hadley 80-1005 valve is unequivocally the most durable valve in the industry

The 80-1005 Series was designed as a universal replacement valve. Fits most applications and replaces most competitive applications.



80-1005 may be used with or without dump



80-1005CA kit with Reverse action - Zero Psi Dump

Part No.	Stk. Code	Description	Interchange
80-1005	12138	Height Control Valve Trailer or Tractor Applications - Pressure Dump built in	H00500C
80-1005CA	12140	Height Control Valve Zero Pressure Dump Trailer Applications	H00500CA
80-1005K	12143	Kit for 80-1005 Reverse Action Valve	HPB500-7



HADLEY HEIGHT CONTROL VALVES

HEIGHT CONTROL VALVE - NEXT GENERATION

80-1500 Valves Include: Four Lever Arms & Mounting Bolts

The 80-1500 Series of Height Control Valve fits a variety of applications on both the Tractors and Trailers because of its very flexible installation methods.

Features:

- Multi-Mounting Configurations
- Ports can be pointed in 3 different directions
- Multi Lever Orientation
- Push to connect nylon tubing fitting for fast installation.

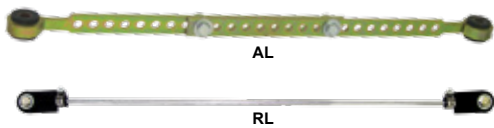


Part No.	Stk. Code	Description	Interchange
80-1500	12257	Height Control Valve Non-Dump Trailer or Tractor Applications	H001500UN
80-1501	12258	Height Control Valve with Pressure Dump Tractor Applications	H001501UD
80-1502	12259	*New Generation Height Control Valve Zero Pressure Trailer Applications	H001502UNC

*New Generation Height Control Valve: New OEM product made of durable glass reinforced polymers and increases capacity during dump/fill functions (high flow). Dump/non-dump versatility determined by plumbing.

ADJUSTABLE LINKS

- Linkages transfer the axle movement to the frame mounted height control valve
- Linkages work for all height control valves



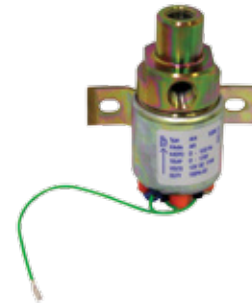
Part No.	Stk. Code	Description	Interchange
80-1006AL	12146	Adjustable linkage, align bolt holes for desired length	H00460B
80-1006RL	12149	Adjustable linkage, cut rod to length and clamp molded end unit	HPB450-3

SOLENOID VALVES

BRACKET MOUNT

- (2) 1/4" NPT ports
- Operated electrically by a simple "on-off" switch
- The solenoid operates to deliver air through one port in the "on" position
- Note that this unit must be mounted in an upright position as show
- Grounds through bracket
- 130 psi is max operating pressure; 125 psi standard

Part No.	Stk. Code	Description
80-1000	12137	12 volts
80-10002	12300	24 volts



BOTTOM MOUNT

- (3) 1/4" NPT Ports
- Electric Solenoid (self relieving)
- Vents the port to atmosphere in the "off" position
- Mounts by two thread holes at the bottom

Part No.	Stk. Code	Description
80-1074SS	12158	Normally Closed - 12 volts
80-1075SS	12159	Normally Open - 12 volts
80-1076SS	12161	Normally Closed - 24 volts
80-1085SS	12170	Normally Open - 24 volt



PILOT VALVE

- The Pressure range is 0 - 120 psi
- (1) 1/8" NPT Pilot Port
- (1) 1/4" NPT Delivery Port
- (1) 1/4" NPT Normally Closed ("N.C.")
- (1) 1/8" NPT Normally Open ("N.O.")



Part No. 80-107899
Stk. Code 12366

AIR SWITCH

- Used for : opening or closing air line to raise or lower lift axle
- 2 positions: On/Up & Off/Down
- Solid brass, manual valve
- Interchange 90054088



Part No. 80-1088
Stk. Code 12173

RAPID DUMP VALVE

- Pilot-operated, 3-way valve for rapid air exhaust from air suspensions
- Normally Open
- Air suspension dump valve (4)1/8" ports, 1/4" mtg. hole diameter



Part No. 91-8318
Stk. Code 14107



HORN VALVES

HADLEY STYLE



DIRECT MOUNT



REMOTE MOUNT

Part No.	Stk. Code	Description	Interchange
16-755NS	55052	Lanyard & valve for air horns	H00755NS
16-15686B	55218	Lanyard for single horn - remote mount	H15686B
16-15687B	55219	Lanyard for double horn - remote mount	H15687B
16-15688B	55220	Lanyard for quad horn - remote mount	H15688B

ASSORTED STYLES

- All valves have Push-to-Connect fittings except basic
- All valves are Tech-Grade Nylon except HV228928



Part No. HV1630
Stk. Code 14640



Part No. HV228928
Stk. Code 14639



Part No. HV3300-21
Stk. Code 14631



Part No. HV3300-22
Stk. Code 14632



Part No. HV3301-1
Stk. Code 14633



Part No. HV3302-1
Stk. Code 14635



Part No. HV3302-3
Stk. Code 14637

Part No.	Stk. Code	Application	Outlet	Ports (NPT)	Interchange
HV1630	14640	Basic - plastic	-	1/8"	1630
HV228928	14639	Basic - metal	-	1/8"	228928
HV3300-21	14631	Kenworth	Single	(2) 1/4"	401164
HV3300-22	14632	Kenworth	Dual	(3) 1/4"	401253
HV3301-1	14633	Freightliner	Dual	(3) 1/4", (1) 3/8"	401254
HV3301-2	14634	Freightliner	Single	(3) 1/4", (1) 3/8"	401255
HV3302-1	14635	Navistar medium duty	Single	(2) 3/8"	401256
HV3302-2	14636	Navistar Conventional cab	Single	(2) 3/8"	401165
HV3302-3	14637	Navistar Cabover	Single	(2) 3/8"	401257



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