

# Pressure Regulating Valves

## D05T Pressure Regulating Valve—Compact Design



Compact Design pressure regulating valves for new residential and light commercial construction, drip irrigation and other applications requiring sensitive and accurate regulation.

**Calibrated Adjustment Dial:** No

**Gauge Tap:** 1/4 in. NPT

**Reducing Ratio:** 10:1 maximum

**Maximum Inlet Pressure Rating (psi):** 400 psi

**Pipe Connection:** Female NPT threaded inlet and outlet. Externally threaded for unions.

**Outlet Pressure Adjustment Range (psi):** 15-90 psi

**Temperature Range:** 180 F (82 C)

- Flow capacity and accuracy make D05T suitable for a variety of applications
- Bronze body construction with stainless steel and engineered thermoplastic internal parts
- One piece non-corroding unitized cartridge
- Fully balanced regulator mechanism with fabric reinforced diaphragm
- Includes balanced seat for accurate pressure output under varying inlet pressures up to 400psi
- Inlet and outlet internally and externally threaded (NPT) for union connection
- Built-in strainer and thermal by-pass
- ASSE 1003 and IAPMO listed

**Materials:** Bronze (body), Fabric reinforced diaphragm, Stainless steel and engineered thermoplastics.

**Approvals:**

**Canadian Standards Association:** Certified (B356)

**ASSE:** Certified (1003)

**IAPMO:** Listed

Product Number	Pipe Size		Dimensions, Approximate		Union Fittings
	(inch)	(DN)	(inch)	(mm)	
D05T1011	3/4 in.	DN20	6 5/8 in. high x 3 1/2 in. wide	168 mm high x 89 mm long	Union body, no tailpieces
D05T1029	3/4 in.	DN20	6 5/8 in. high x 5 3/16 in. long	168 mm high x 132 mm long	Double-union sweat
D05T1045	1 in.	DN25	4 1/2 in. high x 4 in. long	114 mm high x 142 mm wide	Union body, no tailpieces
D05T1052	1 in.	DN25	8 5/8 in. high x 6 1/2 in. long	218 mm high x 166 mm long	Double-union sweat
D05T1060	3/4 in.	DN20	6 5/8 in. high x 5 3/16 in. long	168 mm high x 132 mm long	Double-union threaded
D05T1078	1 in.	DN25	6 5/8 in. high x 5 3/16 in. long	168 mm high x 132 mm long	Double-union threaded
D05T1086	3/4 in.	DN20	6 5/8 in. high x 5 3/16 in. long	168 mm high x 132 mm long	Single-union sweat
D05T1094	3/4 in.	DN20	6 5/8 in. high x 4 5/16 in. wide	168 mm high x 110 mm long	Single-union threaded
D05T1102	1 in.	DN25	8 5/8 in. high x 5 in. long	218 mm high x 127 mm long	Single-union sweat
D05T1110	1 in.	DN25	8 5/8 in. high x 5 in. long	218 mm high x 127 mm long	Single-union threaded

# Pressure Regulating Valves

## DS05 "DialSet" Pressure Regulating Valves



Valves for new residential and light commercial construction, drip irrigation, and other applications requiring highly sensitive and accurate regulation. Easy DialSet® Adjustment (no gauge required).

**Calibrated Adjustment Dial:** Yes

**Gauge Tap:** none

**Reducing Ratio:** 10:1 maximum

**Pipe Connection:** Female NPT threaded inlet and outlet. Externally threaded for unions.

**Maximum Inlet Pressure Rating (psi):** 400 psi

**Temperature Range:** 180 F (82 C)

- Dial is calibrated in 10 psi increments to allow quick and accurate adjustment of outlet pressure.
- Flow capacity and accuracy make the DS05 suitable for potable water service and most irrigation applications.
- High pressure (400 psi) inlet rating.
- Non-corroding unitized cartridge contains all working parts and is easily replaceable.
- Bronze body with stainless steel and engineered thermoplastic internal parts.
- Balanced single seat for accurate pressure output under varying inlet pressures.
- Inlet and outlet are internally threaded female NPT, and externally threaded for use with union assemblies.
- Built-in strainer and thermal bypass.
- One model can be used in low, standard or high pressure applications.

**Materials:** Bronze (body), Fabric reinforced diaphragm, Stainless steel and engineered thermoplastics.

**Approvals:**

**Canadian Standards Association:** Certified (B356)

**ASSE:** Certified (1003)

**IAPMO:** Listed

Product Number	Pipe Size		Dimensions, Approximate		Outlet Pressure Adjustment Range (psi)	Union Fittings
	(inch)	(DN)	(inch)	(mm)		
DS05C1006	1/2 in.	DN15	5 1/4 in. high x 3 3/8 in. long	133 mm high x 86 mm long	15-90 psi	Union body, no tailpieces
DS05C1014	1/2 in.	DN15	5 1/4 in. high x 3 7/8 in. long	133 mm high x 98 mm wide	15-90 psi	Single-union sweat
DS05C1022	1/2 in.	DN15	5 1/4 in. high x 4 1/16 in. long	133 mm high x 103 mm wide	15-90 psi	Single-union threaded
DS05C1030	3/4 in.	DN20	5 1/4 in. high x 3 3/8 in. long	133 mm high x 86 mm long	15-90 psi	Union body, no tailpieces
DS05C1048	3/4 in.	DN20	5 1/4 in. high x 4 5/16 in. long	133 mm high x 110 mm wide	15-90 psi	Single-union sweat
DS05C1055	3/4 in.	DN20	5 1/4 in. high x 4 5/16 in. long	133 mm high x 110 mm wide	15-90 psi	Single-union threaded
DS05C1063	1 in.	DN25	5 1/4 in. high x 3 15/16 in. long	133 mm high x 100 mm wide	15-90 psi	Union body, no tailpieces
DS05C1071	1 in.	DN25	5 1/4 in. high x 5 1/4 in. long	133 mm high x 133 mm long	15-90 psi	Single-union sweat
DS05C1089	1 in.	DN25	5 1/4 in. high x 5 in. long	133 mm high x 127 mm long	15-90 psi	Single-union threaded
DS05D1005	1/2 in.	DN15	5 1/4 in. high x 5 9/16 in. long	133 mm high x 141 mm long	15-90 psi	Double-union sweat
DS05D1013	1/2 in.	DN15	5 1/4 in. high x 5 15/16 in. long	133 mm high x 125 mm long	15-90 psi	Double-union threaded
DS05D1021	3/4 in.	DN20	5 1/4 in. high x 6 1/16 in. long	133mm high x 154 mm long	15-90 psi	Double-union sweat
DS05D1039	3/4 in.	DN20	5 1/4 in. high x 5 3/16 in. long	133 mm high x 132 mm long	15-90 psi	Double-union threaded
DS05D1047	1 in.	DN25	5 1/4 in. high x 6 1/2 in. long	133 mm high x 166 mm long	15-90 psi	Double-union sweat
DS05D1054	1 in.	DN25	5 1/3 in. high x 5 3/16 in. long	133 mm high x 132 mm long	15-90 psi	Double-union threaded
DS05D1062	1 1/4 in.	DN32	8 5/8 in. high x 7 11/16 in. long	218 mm high x 195 mm long	15-150 psi	Double-union sweat
DS05D1070	1 1/4 in.	DN32	8 5/8 in. high x 7 5/16 in. long	218 mm high x 186 mm long	15-150 psi	Double-union threaded
DS05G1085	1 1/4 in.	DN32	8 5/8 in. high x 6 in. long	218 mm high x 152 mm long	15-150 psi	Single-union threaded
DS05G1093	1 1/4 in.	DN32	8 5/8 in. high x 6 3/16 in. long	218 mm high x 157 mm long	15-150 psi	Single-union sweat
DS05G1127	1 1/4 in.	DN32	8 5/8 in. high x 4 11/16 in. long	218 mm high x 119 mm long	15-150 psi	Union body, no tailpieces

Water Controls

# Pressure Regulating Valves

## DS06 "DialSet" Pressure Regulating Valves



High quality pressure regulating valve that maintains a constant outlet pressure over a wide range of inlet supply pressures. Includes calibrated outlet pressure set dial that allows outlet pressure adjustments without the use of a gauge in most applications. **Easy DialSet® Adjustment (no gauge required)**

- Ideally suited for potable water and irrigation applications requiring accurate regulation.
- Wide outlet pressure range, high inlet pressure, and compact design allow flexibility in installation and application.
- Non-corroding unitized cartridge contains all working parts and is easily replaceable.
- Includes built-in strainer and thermal bypass.
- Balanced seat construction provides superior pressure regulation.
- Gauge tapped.

**Calibrated Adjustment Dial:** Yes

**Gauge Tap:** 1/4 in. NPT (two, one on each side of body).

**Reducing Ratio:** 10:1 maximum

**Pipe Connection:** Female NPT threaded inlet and outlet. Externally threaded for unions.

**Maximum Inlet Pressure Rating (psi):** 400 psi

**Outlet Pressure Adjustment Range (psi):** 15-130 psi

**Temperature Range:** 180 F (82 C)

**Materials:** Bronze (body), Fabric reinforced diaphragm, Stainless steel and engineered thermoplastics.

**Approvals:**

**Canadian Standards Association:** Certified (B356)

**ASSE:** Certified (1003)

**IAPMO:** Listed

Product Number	Pipe Size		Dimensions, Approximate		Union Fittings
	(inch)	(DN)	(inch)	(mm)	
DS06D1003	1 1/2 in.	DN40	11 13/16 in. high x 9 3/8 in. long	299 mm high x 238 mm long	Double-union sweat
DS06D1011	1 1/2 in.	DN40	11 13/16 in. high x 9 3/16 in. long	299 mm high x 233 mm long	Double-union threaded
DS06D1029	2 in.	DN50	11 13/16 in. high x 10 3/16 in. long	299 mm high x 257 mm long	Double-union sweat
DS06D1037	2 in.	DN50	11 13/16 in. high x 9 5/16 in. long	299 mm high x 237 mm long	Double-union threaded
DS06G1000	1 1/2 in.	DN40	11 13/16 in. high x 7 13/16 in. long	299 mm high x 198 mm long	Single-union threaded
DS06G1018	1 1/2 in.	DN40	11 13/16 in. high x 7 7/8 in. long	299 mm high x 201 mm long	Single-union sweat
DS06G1026	2 in.	DN50	11 13/16 in. high x 7 7/8 in. long	299 mm high x 200 mm long	Single-union threaded
DS06G1034	2 in.	DN50	11 13/16 in. high x 8 5/16 in. long	299 mm high x 211 mm long	Single-union sweat
DS06G1042	1 1/2 in.	DN40	11 13/16 in. high x 6 3/8 in. long	299 mm high x 162 mm long	Union body, no tailpieces
DS06G1059	2 in.	DN50	11 13/16 in. high x 6 3/8 in. long	299 mm high x 162 mm long	Union body, no tailpieces

# Pressure Regulating Valves Parts and Accessories

## D05/DS05 Pressure Regulating Valves—Accessories

Product Number	Description	Used With
272840	Union gaskets for 1/2 in. D05/DS05 (package of 2)	D05; DS05
272841	Union gaskets for 3/4 in. D05/DS05 (package of 2)	D05; DS05
272842	Union gasket for 1 in. D05/DS05 (package of 2)	D05; DS05
K06U1069	Union kit for D05 for 1/2-in. NPT valves. Includes union nut, threaded tail piece, and gasket	D05
K06U1077	Union kit for D05 for 3/4-in. NPT valves. Includes union nut, threaded tail piece, and gasket	D05
K06U1085	Union kit for D05 for 1-in. NPT valves. Includes union nut, threaded tail piece, and gasket	D05
K06U1093	Union kit for D05 for 1/2-in. sweat valves. Includes union nut, sweat tail piece, and gasket	D05
K06U1101	Union kit for D05 for 3/4-in. sweat valves. Includes union nut, sweat tail piece, and gasket	D05
K06U1119	Union kit for D05 for 1-in. sweat valves. Includes union nut, sweat tail piece, and gasket	D05
K06U1135	Union kit for D05 for 1-1/4-in. NPT valves. Includes union nut, threaded tail piece, and gasket	D05
K06U1143	Union kit for D05 for 1-1/4-in. sweat valves. Includes union nut, sweat tail piece, and gasket	D05

## D05/DS05 Pressure Regulating Valves—Repair Parts

Product Number	Description	Used With
203223	Bonnet kit for 1/2 in. and 3/4 in. D05 valves. Consists of bonnet and threaded insert	D05
272838	Bonnet kit for 1/2 in. and 3/4 in. DS05 valves	DS05
272839	Bonnet kit for 1 in. and 1 1/4 in. DS05 valves	DS05
K05A1009	Repair Kit for old style D05A,G; DS05G series 1/2 in. and 3/4 in. valves. Includes cartridge, screen and O-rings	D05; DS05
K05A1017	Repair Kit for old style D05A,G; DS05G 1 in. and 1-1/4 in. valves. Includes cartridge, screen and O-rings	D05; DS05
K05A1025	Repair kit for new D05T, DC05C,D,G 1/2 in., 3/4 in., and 1-in. valves. Includes cartridge, screen and O-ring	D05T; DS05
K05B1007	Repair Kit for new D05T; DS05C,D,G 1/2-in. and 3/4-in. valves. Includes screen and O-rings	D05T; DS05
K05B1015	Repair Kit for new D05T and DS05C,D,G 1-in. valves. Includes screen and O-rings	D05T; DS05
K06A1003	Cartridge kit for D05G and DS05G 1/2 and 3/4 in. valves. Includes cartridge, screen and O-rings	D05; DS05
K06A1011	Cartridge kit for D05G and DS05G 1 and 1-1/4 in. valves. Includes cartridge, screen and O-rings	D05; DS05
K06A1019	Cartridge kit for D05G and DS05G 1/2 and 3/4 in. valves. Includes screen, plug and O-rings	D05; DS05
K06B1002	Cartridge kit for D05G and DS05G 1 and 1-1/4 in. valves. Includes screen, plug and O-rings	D05; DS05
K06B1018	Cartridge kit for D05G and DS05G 1 and 1-1/4 in. valves. Includes screen, plug and O-rings	D05; DS05
K06C1036	Spring kit for D05G and DS05G 1 and 1-1/4 in. valves. 21-85 psi. Includes spring and adjustment knob (grey)	D05; DS05
K06C1044	Spring kit for D05G and DS05G 1 and 1-1/4 in. valves. 85-170 psi. Includes spring and adjustment knob (red)	D05; DS05
K06D1001	Cartridge kit for D05G and DS05G 1/2 and 3/4 in. valves. Includes cartridge and O-rings	D05; DS05
K06D1009	Cartridge kit for D05G and DS05G 1 and 1-1/4 in. valves. Includes cartridge and O-rings	D05; DS05

Water Controls

## D06/DS06 Pressure Regulating Valves—Accessories

Product Number	Description	Used With
272858	Union Gasket for 1 1/2 in. D06 and DS06G valves	D06; DS06G
272859	Union gaskets for 2-in. D06 and DS06 valves	D06; DS06
K06U1037	Union kit for D06 for 1-1/2-in. NPT valves. Includes union nut, sweat tail piece, and gasket	D06
K06U1045	Union kit for D06 for 2-in. NPT valves. Includes union nut, sweat tail piece, and gasket	D06
K06U5034	Union kit for D06 for 1-1/2-in. sweat valves. Includes union nut, sweat tail piece, and gasket	D06
K06U5042	Union kit for D06 for 2-in. sweat valves. Includes union nut, sweat tail piece, and gasket	D06

## D06/DS06 Pressure Regulating Valves—Repair Parts

Product Number	Description	Used With
272867	Bonnet kit for 1-1/2 in. and 2 in. DS06 valves	DS06
K06B1030	Cartridge kit for D06G and DS06G 1-1/2-in. and 2-in. valves. Includes strainer, support and 2 O-rings	D06; DS06
K06C1060	Spring kit for D06G and DS06G 1-1/2 and 2 in. valves. 21-85 psi. Includes spring and adjustment knob (grey)	D06; DS06
K06D1017	Cartridge kit for D06G and DS06G 1-1/2 and 2 in. valves. Includes cartridge and O-rings	D06; DS06
K06D1044	Cartridge kit for D06G,T,U and DS06G 1-1/2-in. and 2in. valves. Includes cartridge, screen and O-rings.	D06; DS06