

470 Series

QUICK COUPLING VALVES



**Toro 470 Series
Quick Coupling
Valves provide
frequent-use
watering areas
with localized
access to the
mainline water
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TORO®

470 SERIES QUICK COUPLING VALVES

These Quick Coupling Valves provide frequent-use watering areas with localized access to the mainline water supply.

Features

- Provides a range of flows to meet all performance requirements
- One- or two-piece (474 only) valves with heavy-duty brass construction

- Single-lug and Acme thread key connections
- Metal and vinyl locking and non-locking covers
- Locking effluent cover
- Hose swivel provides 360° movement without hose tangling

Friction Loss (PSI) — U.S.

GPM												
	10	15	20	25	30	35	40	50	60	70	85	100
Model 473	1.5	3.1	5.3	8.5								
Model 474			1.1	2.2	3.6	5.7	8.0					
Model 475				1.0	1.8	2.7	3.6	6.4	9.8			
Model 476							1.0	1.7	2.6	3.6	5.6	8.8

Note: For optimum sprinkler performance when designing a system, be sure to calculate total friction loss to ensure sufficient downstream pressure.

Friction Loss (l/mn) — Metric

	l/mn																							
	37.9		56.8		75.7		94.6		113.6		132.5		151.4		189.3		227.1		265.0		321.7		378.5	
	kg/cm ²	kPa	kg/cm ²	kPa	kg/cm ²	kPa	kg/cm ²	kPa	kg/cm ²	kPa	kg/cm ²	kPa	kg/cm ²	kPa	kg/cm ²	kPa	kg/cm ²	kPa	kg/cm ²	kPa	kg/cm ²	kPa	kg/cm ²	kPa
Model 473	0.1	10.3	0.2	21.4	0.4	36.5	0.6	58.6																
Model 474					0.1	7.6	0.2	15.2	0.3	24.8	0.4	39.3	0.6	55.2										
Model 475							0.1	6.9	0.1	12.4	0.2	18.6	0.3	24.8	0.5	44.1								
Model 476													0.1	6.9	0.1	11.7	0.2	17.9	0.3	24.8	0.4	38.6	0.6	60.7

Note: For optimum sprinkler performance when designing a system, be sure to calculate total friction loss to ensure sufficient downstream pressure.

Specifying Information — Quick Coupling Valves

Model Number	Description
473-00	¾" Standard Cover
474-00	1" Standard Cover
474-01	1" Vinyl Cover
474-03	1" Vinyl Cover w/Lock
475-00	1" IPT x 1¼" Standard Cover
475-01	1" IPT x 1¼" Vinyl Cover
476-00	1½" Standard Cover
476-01	1½" Vinyl Cover
474-21	2-Piece, 1" Single Lug, Vinyl Cover
491-02	Key for Locking Cover
474-04	1-Piece, 1" Quick Coupler w/Effluent Locking Cover
474-24	2-Piece, 1" Quick Coupler w/Effluent Locking Cover
474-44	1-Piece, 1" Acme Thread Quick Coupler w/Effluent Locking Cover
476-04	1-Piece, 1½" Quick Coupler w/Effluent Locking Cover

QUICK COUPLING VALVE ACCESSORIES

Specifying Information — Accessories

Model Number	Inlet Size	Description
463-01	¾"	½" Female, ¾" Male, Single Lug Coupler Key
464-01	1"	¾" Female, 1" Male, Single Lug Coupler Key
464-02	1"	1" Female, Single Lug Coupler Key
464-03	1"	1" Acme Thread Coupler Key
466-01	1½"	1¼" Female, 1½" Male, Single Lug Coupler Key
477-00		¾" NPT x ¾" MHT Hose Swivel
477-01		1" NPT x ¾" MHT Hose Swivel
477-02		1" NPT x 1" MHT Hose Swivel
491-02		Key for Locking Cover



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