

# xQR41 Series MicroDot™ Needle Valve Selection Guide

Please use this guide when deciding which valve configuration to recommend.



	7361761	7360817	7360818	7360819	7360820	7360821	7360822	7360823	7360824	7361764	7360825
Stroke Control Cap	✓	✓				✓	✓	✓	✓		
Non-Adjustable Cap				✓	✓						✓
Fluid Body, Stainless Steel	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Fluid Body, PEEK	✓ *			✓ *					✓ *		✓ *
Standard Cup-End Needle, Stainless Steel	✓	✓	✓	✓	✓				✓		✓
Bullet-End Needle, Stainless Steel						✓	✓	✓			
Bullet-End Needle, PEEK	✓ *			✓ *					✓ *		✓ *
BackPack™	✓			✓		✓					
Mounting Block								✓	✓		✓
90° Air Inlet Fitting			✓		✓		✓				

Best for dispensing microdots and/or with smaller diameter 27, 30, and 32/33 ga GP tips. Also recommended when inlet air pressure is unstable or below 65 psi.

Use for increased air hose positioning, making lines and stripes, and smaller valve footprint. Stroke control can help reduce "cobra head" at end of cycle. Note: No mounting hole on air cylinder body.

For larger dispense volumes using 22 and 23 ga GP tips. Also recommended when inlet air pressure is unstable or below 65 psi.

For larger dispense volumes using 22 and 23 ga GP tips. Use for increased air hose positioning and smaller valve footprint. Note: No mounting hole on air cylinder body.

Best for dispensing microdots and/or using smaller diameter 27, 30, and 32/33 ga GP tips. Also helps to eliminate "cobra head" at end of cycle. Recommended when inlet air pressure is unstable or below 65 psi. BackPack provides convenient fixturing to robot/TTA automation.

Best for dispensing microdots and/or using smaller diameter 27, 30, and 32/33 ga GP tips. Also helps to eliminate "cobra head" at end of cycle. Use for increased air hose positioning and smaller valve footprint. Note: No mounting hole on air cylinder body.

Select when making fine lines or stripes with 30 and 32/33 ga GP tips. Stroke control and bullet end shaft can help reduce "cobra head" at end of cycle. Mounting Block provides convenient fixturing to robot/TTA automation.

Select when making fine lines or stripes with 30 and 32/33 ga GP tips. Stroke control can help reduce "cobra head" at end of cycle. Mounting Block provides convenient fixturing to robot/TTA automation.

For larger dispense volumes using 22 and 23 ga GP tips. Mounting Block provides convenient fixturing to robot/TTA automation.

\*xQR41 PEEK (Polyetheretherketone) valves have wetted parts made of a special plastic that resists curing from reactive adhesives such as anaerobics.

