

Test step	Actuation time (μ s)	Pressure (MPa)	Measurement time (s)	Injected fuel quantity		Return quantity		Evaluation
				Set value (mm ³ /H)	Actual value (mm ³ /H)	Set value (mm ³ /H)	Actual value (mm ³ /H)	
EM	490	80	10	19.1 \pm 4.3	---	--- \pm ---	---	

Serial number: 3

	Set value	Actual value	Evaluation
Actuator resistance	170 - 200k Ω	192.5k Ω	✓

Test step	Actuation time (μ s)	Pressure (MPa)	Measurement time (s)	Injected fuel quantity		Return quantity		Evaluation
				Set value (mm ³ /H)	Actual value (mm ³ /H)	Set value (mm ³ /H)	Actual value (mm ³ /H)	
Leak test	0	160	60	--- \pm ---	---	--- \pm ---	714.85	✗
Start test	2500	30	10	65.0 \pm 35.0	---	--- \pm ---	---	
Back pressure	2500	30	40	--- \pm ---	---	--- \pm ---	---	
ISA detection	700	160	40	5.0 \pm 5.0	---	--- \pm ---	---	
VL	555	160	10	46.5 \pm 6.5	---	11.0 \pm 4.0	---	
VE	175	120	10	1.9 \pm 1.5	---	--- \pm ---	---	
LL	490	30	10	3.8 \pm 2.7	---	--- \pm ---	---	
EM	490	80	10	19.1 \pm 4.3	---	--- \pm ---	---	

Serial number: 4

	Set value	Actual value	Evaluation
ISA code	G	G	✓
Actuator resistance	170 - 200k Ω	192.5k Ω	✓

Test step	Actuation time (μ s)	Pressure (MPa)	Measurement time (s)	Injected fuel quantity		Return quantity		Evaluation
				Set value (mm ³ /H)	Actual value (mm ³ /H)	Set value (mm ³ /H)	Actual value (mm ³ /H)	
Leak test	0	160	60	--- \pm ---	---	--- \pm ---	---	✓
Start test	2500	30	10	65.0 \pm 35.0	80.07	--- \pm ---	---	✓
Back pressure	2500	30	40	--- \pm ---	83.23	--- \pm ---	---	
ISA detection	700	160	40	5.0 \pm 5.0	0.00	--- \pm ---	---	✓
VL	555	160	10	46.5 \pm 6.5	48.18	11.0 \pm 4.0	10.74	✓
VE	175	120	10	1.9 \pm 1.5	1.54	--- \pm ---	---	✓
LL	490	30	10	3.8 \pm 2.7	3.88	--- \pm ---	---	✓
EM	490	80	10	19.1 \pm 4.3	19.53	--- \pm ---	---	✓

Serial number: 5

	Set value	Actual value	Evaluation
ISA code	G	G	✓
Actuator resistance	170 - 200k Ω	192.5k Ω	✓

Test step	Actuation time (μ s)	Pressure (MPa)	Measurement time (s)	Injected fuel quantity		Return quantity		Evaluation
				Set value (mm ³ /H)	Actual value (mm ³ /H)	Set value (mm ³ /H)	Actual value (mm ³ /H)	
Leak test	0	160	60	--- \pm ---	---	--- \pm ---	---	✓
Start test	2500	30	10	65.0 \pm 35.0	90.80	--- \pm ---	---	✓