REPAIR TOOLS

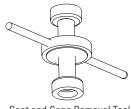




HIGH PRESSURE CONTROL VALVES

STEM-GUIDED, NON-BALANCED

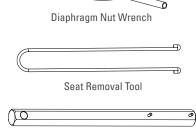
Valve Connection Size	Seat and Cage Removal Tool	Seat Removal Tool	Diaphragm Nut Wrench
1"	3032	615	476DNW
2"	3033	614	4356DNW



Seat and Cage Removal Tool

CAGE-GUIDED, BALANCED

Valve Connection Size	Seat Installation Tool	Upper Cage Puller	Diaphragm Nut Wrench
2"	6670	5296	4356DNW
3"	6826	5297	4965DNW
4"	5561	5298	4965DNW
6"	5561	6402	5344DNW
8"	5561	6651	5344DNW
10"	5561	6651	5344DNW





Upper Cage Puller Tool

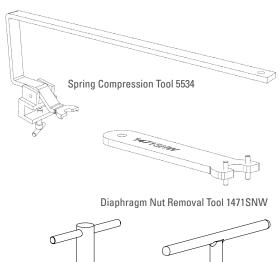
THREE-WAY VALVES

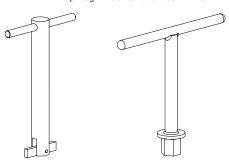


		1" Valve Connection	2" Valve Connection	3" Valve Connection
Diaphragm	Diaphragm Nut Removal Tool	N/A	1471SNW	N/A
Balanced 3-way	Spring Compression Tool	N/A	5534	N/A

	Diaphragm Nut Removal Tool	N/A	1471SNW	1859SNW
Piston Balanced 3-way	Spring Compression Tool	N/A	5534	5535
	Upper Seat Wrench	N/A	2276SW	N/A

High Pressure 3-way	Lower Seat Wrench	2130SW	N/A	N/A
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Upper Seat Wrench 2276SW Lower Seat Wrench 2130SW

LOW PRESSURE CONTROL VALVES

LOW PRESSURE, NON-BALANCED

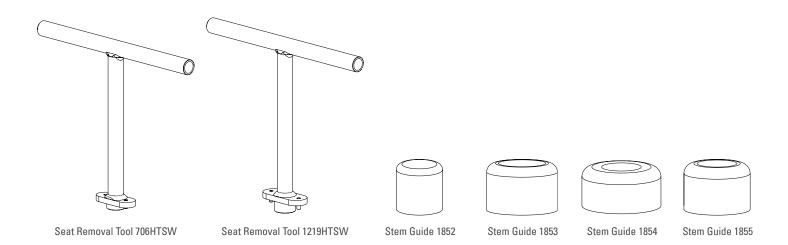
		1/2" Trim	1" Trim
1" Valve	Seat Removal Tool	1349SW	Not Needed
Connection	Stem Guide	6431	1851

		1" Trim, Ductile Body	1" Trim, Steel Body	2" Trim
2" Valve	Seat Removal Tool	706HTSW	706SW	6945SW
Connection Stem Guide		18	52	1852

		1-5/8" Trim, Ductile Body	1-5/8" Trim, Steel Body	3" Trim
3" Valve	Seat Removal Tool	1219HTSW	1219SW	6946SW
Connection	Stem Guide	18	53	1853

		2" Trim, Ductile Body	2" Trim, Steel Body	4" Trim
4" Valve	Seat Removal Tool	1220HTSW	1220SW	6947SW
Connection	Stem Guide	1854		1854

		3" Trim, Ductile Body	3" Trim, Steel Body	6" Trim
6" Valve	Seat Removal Tool	1221HTSW	1221SW	6948SW
Connection	Stem Guide	1855		1855



LEVER OPERATED LIQUID DUMP VALVES



	Diaphragm Balanced	Piston Balanced	Piston Balanced Throttling
Valve Connection Size	No Special Tool Requried	No Special Tool Requried	Seat Removal Tool
2"	N/A	N/A	6945SW
2" with 1" Reduced Trim	N/A	N/A	7701SW for CXA5 6945SW for CAZ5
3″	N/A	N/A	6946SW
4"	N/A	N/A	
6"	N/A		



Seat Removal Tool 6945SW



Seat Removal Tool 6946SW

WEIGHT OPERATED DUMP VALVES 🛼

	2" Valve Connectionw	3" Valve Connection	4" Valve Connection	6" Valve Connection
Seat Wrench	384SW	385SW	386SW	1771SW



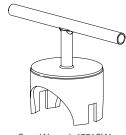
Seat Wrench 384SW



Seat Wrench 385SW



Seat Wrench 386SW



Seat Wrench 1771SW

PNEUMATICALLY OPERATED LIQUID DUMP VALVES

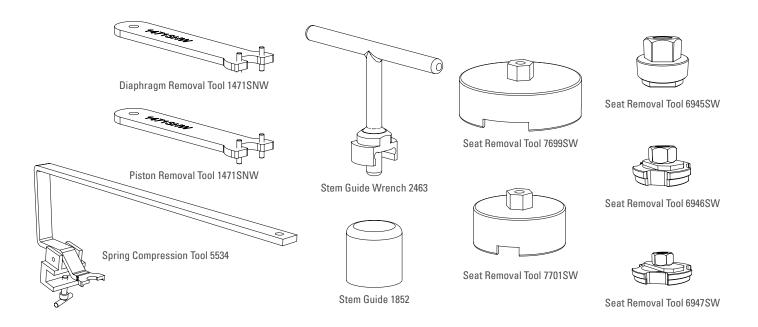


		2" Valve Connection	3" Valve Connection	4" Valve Connection	6" Valve Connection
	Diaphragm Nut Removal Tool	1471SNW	1472SNW	Not Needed	706HTSW
Diaphragm	Spring Compression Tool	5534	5535	5535	6447
Balanced	Stem Guide Wrench	2463SW	2464SW	2464SW	N/A
	Stem Guide (O-Ring Protector)	1852	1853	1854	1855

	Piston Removal Tool	1471SNW	1859SNW	1859SNW	
Piston	Spring Compression Tool	5534	5535	5535	
Balanced	Stem Guide Wrench	2463	2464	2464	
	Stem Guide (O-Ring Protector)	1852	1853	1854	

	Seat Removal Tool	6945SW	6946SW	6947SW	
Piston	Spring Compression Tool	5534	5535	5535	
Balanced Throttling	Stem Guide Wrench	N/A	N/A	N/A	
	Stem Guide (O-Ring Protector)	1852	1853	1854	

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PNEUMATIC

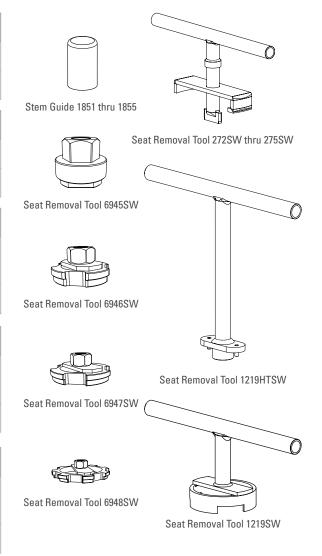
		1/2" Trim	1" Trim
1" Valve Connection	Seat Removal Tool	1349SW	
	Stem Guide	1851	

		1" Trim	2" Trim
2" Valve	Seat Removal Tool	Not Needed	6945SW or 272SW
Connection	Stem Guide	1852	

		1-5/8" Trim	3" Trim
3" Valve	Seat Removal Tool	Ductile - 1219SW Steel - 1219HTSW	6946SW or 273SW
Connection	Stem Guide	1853	

		2" Trim	4" Trim
4" Valve	Seat Removal Tool	Ductile - 1220SW Steel - 1220HTSW	6947SW or 274SW
Connection	Stem Guide		54

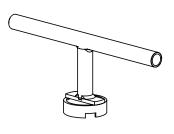
		3" Trim	6" Trim
6" Valve Connection	Seat Removal Tool	Ductile - 1221SW Steel - 1221HTSW	6948SW or 275SW
Cominection	Stem Guide	18	55



SPRING-LOADED BACK PRESSURE

		1" Trim, Ductile Body	1" Trim, Steel Body	2" Trim
2" Valve	Seat Removal Tool	706SW	4060SW	6945SW
Connection	Stem Guide		1852	

		1-5/8" Trim, Ductile Body	1-5/8" Trim, Steel Body	3" Trim
3" Valve	Seat Removal Tool	1219HTSW	N/A	6946SW
Connection	Stem Guide		1853	



Seat Removal Tool 706SW



	Suction Seat Removal Tool	Seal Retainer Tool	Suction Seat Insertion Tool
1720 PV	615	4456	1542
2020 SC	615	4456	1542
4020 PV	615	4456	1542
5020 SC	614	4457	1543
9020 PV	614	4457	1543
10020 SC	614	4458	1544
21020 PV	614	4458	1544
20020 SC	614	4459	1545
45020 PV	614	4459	1545

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Suction Seat Removal Tool 615

Seal Retainer Tool 4456

Suction Seat Insertion Tool 1542

WHO WE ARE

Kimray designs and manufactures oil and gas control products. Based on more than 65 years of pioneering product development, we provide products and services that are reliable, smart and inventive. We generate meaningful solutions by staying curious and engaging in customers' needs. Our product ideas are fueled by a deep desire to make a difference that is both personal and unique to the customer.

We have made it our life's work to provide products and services that are positively impactful. Through the years, this pursuit has built strong relationships. Our customers have known that buying from Kimray is about much more than the product. The relationships between Kimray representatives and our customers extend from before the sale through the life of the product. Those relationships, along with quality Kimray products, are the result of a company striving for excellence for our customers, our company and our community.

Visit Kimray.com to learn more about our company and the products we create.

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