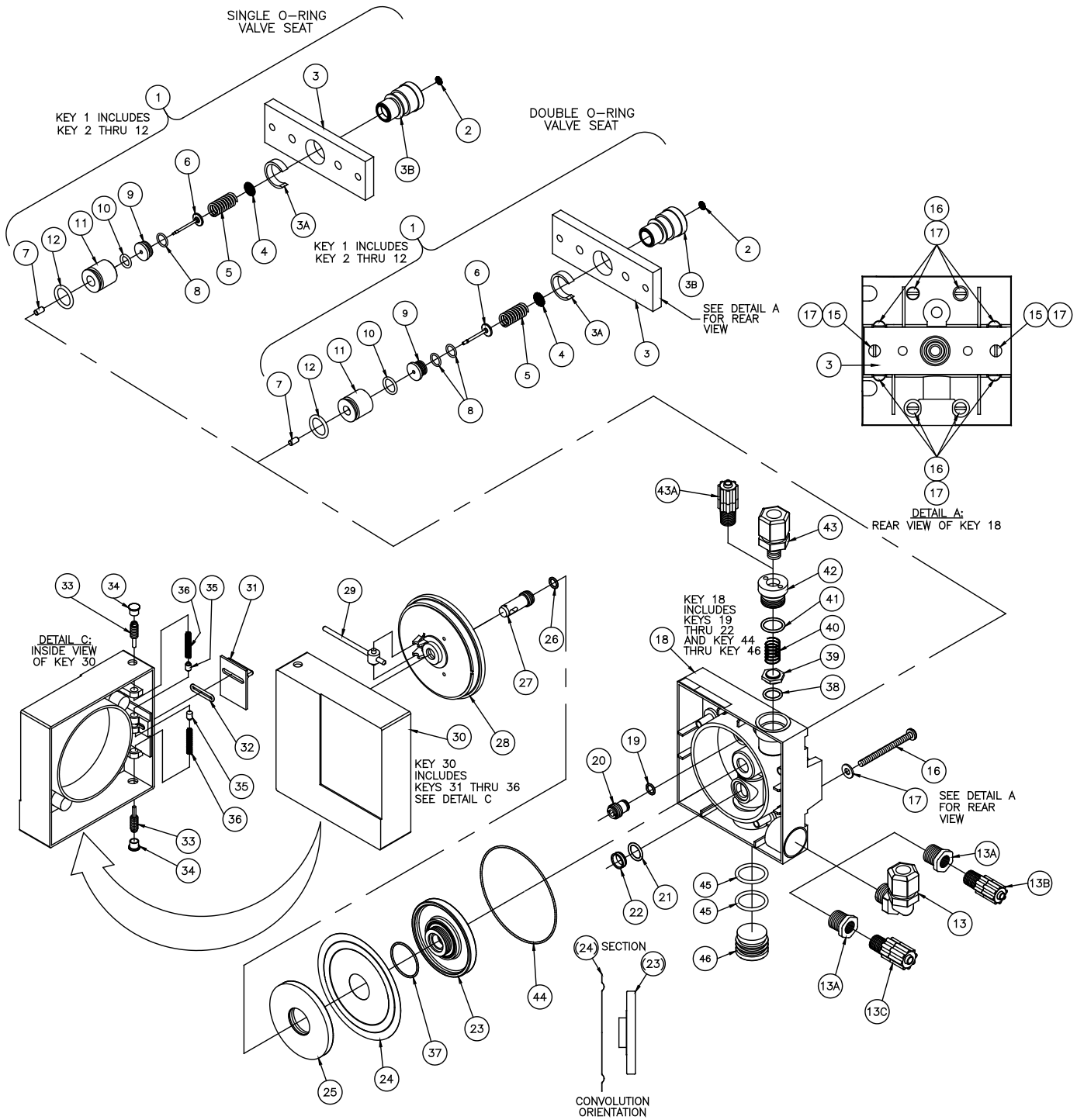
Series NXT3000 Vacuum Regulator
500 PPD (10 kg/h) Maximum Cl_2/SO_2
250 PPD (5 kg/h) Maximum NH_3
375 PPD (7.5 kg/h) Maximum CO_2



Vacuum Regulator

PM Kit Ref Number (See Note 1)	Key	Qty.	Part Description	Service & Part Number Cl_2, CO_2	SO_2	NH_3
	1	1	Inlet Valve Assembly - See Notes 2 & 3	SEE CHART	SEE CHART	SEE CHART
	1B		Inlet Valve Assembly w/out Key 3 plate	SEE CHART	SEE CHART	SEE CHART
1, 2	+2	1	Replacement Filter	BM-1023	BM-1023	BM-1023
	3	1	Plate, Inlet Fitting Support	22952	22952	22952
	3A	1	Retainer Ring	U-1830	U-1830	U-1830
	3B	1	Fitting, Gas Inlet - (See Note 2)	SEE CHART	SEE CHART	SEE CHART
	4	1	Disc, Perforated	350C016P30	350C016P30	350C016P30
	5	1	Spring, Valve	424A431U01	424A431U01	424A431U01
2	6	1	Valve Plug Assembly - (See Note 2)	SEE CHART	SEE CHART	SEE CHART
2	7	1	Diaphragm Pad	22944-1	22944-1	22944-2
1	8	1 or 2	O-ring, Seat Seal - (See Note 2)	SEE CHART	SEE CHART	SEE CHART
2	9	1	Valve Seat Assembly - (See Note 2) (Includes Key 8)	SEE CHART	SEE CHART	SEE CHART
1, 2	10	1	O-ring, Bonnet Seal	101W709U01	101W709U01	101A709U01
	11	1	Bonnet, Valve	433B060U01	433B060U01	433B060U02
1, 2	12	1	O-ring, Inlet Seal	101W716U01	101W716U01	101A716U01
	13	1	Fitting, Adaptor: ½" NPT x 5/8" OD Tube Elbow	111G001U06	111G001U06	111G001U06
	13A	1	Bushing, 1/2" MNPT x 1/4" FNPT	R-246	R-246	R-246
	13B	1	1/4" NPT x 3/8" Tubing Connector	F-100-1	F-100-1	F-100-1
	13C	1	1/4" NPT x 1/2" Tubing Connector	F-106-1	F-106-1	F-106-1
	15	2	Screw, Pan Head: ¼ - 20 x 2"	036B208M10	036B208M10	036B208M10
	16	8	Screw, Pan Head: ¼ - 20 x 3"	036B308M10	036B308M10	036B308M10
	17	10	Washer, Plain: ¼"	095A008U01	095A008U01	095A008U01
	18	1	Rear Body Assembly	19538	19538	19863
	19	1	O-ring, Diaphragm Stop	101W707U01	101W707U01	101A707U01
	20	1	Stop, Diaphragm	19545	19545	19545
1	+21	1	O-ring, Gas Shut-off Seal	101W712U01	101W712U01	101A712U01
	22	1	Retainer, O-ring	19547	19547	19547
	23	1	Bolt, Diaphragm	19550	19550	19550
1	+24	1	Diaphragm	425B142U01	425B142U01	425B142U01
	25	1	Plate, Diaphragm Backing	19551	19551	19551
1	+26	1	O-ring, Guide Rod Seal	101W707U01	101W707U01	101A707U01
	27	1	Diaphragm Guide Rod-Assembly	649B062U01	649B062U01	649B062U01
	28	1	Diaphragm Plate Guide-Assembly	19628	19628	19628
	29	1	Level, Status	647B161U01	647B161U01	647B161U01
	30	1	Front Body Assembly	19552	19552	19552-1
	31	1	Plate, Status indicator	19539	19539	19539
	32	1	O-ring, Guard	101W917U01	101W917U01	101A917U01
	33	2	Screw, Adjustment	396G165U01	396G165U01	396G165U01
	34	2	Plug	114A033U01	114A033U01	114A033U01
	35	2	Detent Plug	366A275U01	366A275U01	366A275U01
	36	2	Spring	424A425U01	424A425U01	424A425U01
1	+37	1	O-ring, Diaphragm Bolt Seal	101W001U13	101W001U13	101A001U02
1	+38	1	O-ring, seat seal	102E077U33	102E077U33	21716
	39	1	Seat, Spring	378D051U01	378D051U01	378D051U01
	40	1	Spring	424A424U01	424A424U01	424A424U01
1	+41	1	O-ring, Adaptor Seal	101W917U01	101W917U01	101A917U01
	42	1	Adaptor	365B073U01	365B073U01	365B073U01
	43	1	Fitting, Adaptor: ¼" NPT x 5/8" OD Tube	111G002U09	111G002U09	111G002U09
	43A	1	Fitting, 1/4" NPT x 3/8" Tubing	F-100-1	F-100-1	F-100-1
1	+44	1	O-ring, Rear Body Seal	102E077U37	102E077U37	102E077U36
	45	2	O-ring, Plug, Viton A	101W721U01	101W721U01	101W721U01
	46	1	Plug	366E057U01	366E057U01	366E057U01

N/A indicates Not Applicable
+ Recommended Spare Parts
See Page 4 for additional notes concerning Part Numbers and Preventative Maintenance Kits.

Chart I

KEY	SINGLE O-RING VALVE SEAT*			DOUBLE O-RING VALVE SEAT		
	Cl_2, CO_2	SO_2	NH_3	Cl_2, CO_2	SO_2	NH_3
1	----------	DISCONTINUED	----------	27353	27363	27372
1B	----------	DISCONTINUED	----------	27096	27310	27309
3B	----------	DISCONTINUED	----------	27100	27100	27307
6	22948-1	22948-2	22948-2	27098-1	27098-2	27098-2
8	(1) 101W902U01	(1) 101W902U01	(1) 101A902U01	(2) 26821	(2) 26821	(2) 101A902U01
9	23082	23082	23085	27305	27305	27308

* The single o-ring valve seat assembly was discontinued in July 2013. Replacement parts will be available while they last. See note 2 for additional information

Vacuum Regulator Accessory Kit P/N 614S113U01

Qty.	Part Description	Part Number
1	Tube Fitting - Elbow 1/2 - 5/8”	111G001U06
1	Insect Screen	127A009U01
1	Grease Lubricant	BM-1084
1	Filter Pad	BM-1023
1	Wrench, Chlorine	430A011S60
4	Lead Gasket (U.S. Valves)	G-111
1	Poly bottle - 4 oz.	A-703

Preventive Maintenance Kits:

PM Kit Ref #.	PM Kit Description	Part Number
1	Vacuum Regulator (Chlorine, Sulfur Dioxide & Carbon Dioxide service)	614S090U01
2	Inlet Valve (Chlorine & Carbon Dioxide service) with single o-ring valve seat	23080-1
	Inlet Valve (Sulfur Dioxide service) with single o-ring valve seat	23080-2
	Inlet Valve (Chlorine & Carbon Dioxide service) with double o-ring valve seat	27385-1
	Inlet Valve (Sulfur Dioxide service) with double o-ring seat	27385-2
	Inlet Valve Filters & Lead Gaskets (10 each)	614S091U01
	Lead Gaskets (25 each)	BM-4901

NOTES:

1. Listed parts are available in preventive maintenance kits for chlorine and sulfur dioxide service only. For ammonia service, order parts separately.
2. Valve assembly (Key 1 & 1B) with single o-ring seat may be replaced with (Key 1 & 1B) double o-ring seat assemblies. Key 3B, 6, 8, & 9 are not interchangeable between the two configurations.
3. For a complete Vacuum Regulator as shown w/out Key 13 Series fittings use P/N 19715 for Cl_2 or 22709 for SO_2.
4. Refer to parts list 100.7605 for North American and 100.7604 for International yoke assemblies.
5. Exact vacuum regulator replacements for the former Fischer and Porter Series 1700 are no longer available. Replacement will entail changing the yoke or heater/manifold assemblies as well.

USING PARTS OTHER THAN GENUINE DNWT PARTS:

- CAN RESULT IN MALFUNCTION OF THE EQUIPMENT AND POTENTIALLY CAUSE SERIOUS PERSONAL AND ENVIRONMENTAL HEALTH AND SAFETY HAZARDS
- WILL VOID YOUR EQUIPMENT WARRANTY
- WILL VOID YOUR LIABILITY CLAIMS TO DNWT

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