

**Razavi Yeast Company Expansion Project  
PHASE IV**

شیرهای دستی و چک ولو

	Vendor	نوع تحریک شیر	PN	سایز	Material				Valve leakage class (ANSI)	فشار کاری (bar)	Medium	نوع شیر	محل نصب	شرح	ردیف
					Plug	Seat	Stem	Body							
Plug is disk here	Ritag, Spirax Sarco, Erhard, Ebro	N/A	10	DN80	1/4571	1/4404	N/A	1/4404	IV	3	PS	Check Valve - Tilting disk	02-T-170	Phosphate solution Tank, inlet line	1
	A+R, Spirax Sarco, Gemü, Sirca, Fubon, Bickel Wolf	Manual	10	DN15	1/4571	Teflon	1/4571	1/4404	IV	1	PS	3 Pieces Ball Valve	02-T-170	Phosphate solution Tank, Sample Valve	2
Plug is disk here	Ritag, Spirax Sarco, Erhard, Ebro,	N/A	10	DN80	1/4571	1/4404	N/A	1/4404	IV	3	PS	Check Valve - Tilting disk	02-T-170	Phosphate solution Tank, Consumtion line	3
	MTM, Spirax Sarco, Wakmet, babcock, BOM, Velan	Manual	16	DN65	1/4571	1/4404	1/4571	1/4404	VI	4	ST	Y-type Valve	03-T-155	Steam	4
Plug is disk here	Ritag, Spirax Sarco, Erhard, Ebro	N/A	16	DN65	1/4571	1/4404	1/4571	1/4404	VI	4	ST	Check Valve - Disk&Spring	03-T-155	Steam	5
	MTM, Spirax Sarco, Wakmet, babcock, BOM, Velan	Manual	10	DN65	1/4571	1/4404	1/4571	1/4404	VI	1	PA	Y-type Valve	03-T-155	Process Air	6
	A+R, Spirax Sarco, Gemü, Sirca, Fubon, Bickel Wolf	Manual	10	DN15	1/4571	Teflon	1/4571	1/4404	IV	1	MS	3 Pieces Ball Valve	03-T-155	Molasses Solution Sample	7
	MTM, Spirax Sarco, Wakmet, babcock, BOM, Velan	Manual	16	DN25	1/4571	1/4404	1/4571	1/4404	VI	4	ST	Y-type Valve	05-H-424	Steam	8
	A+R, Spirax Sarco, Gemü, Sirca, Fubon, Bickel Wolf	Manual	10	DN15	1/4571	Teflon	1/4571	1/4404	IV	3	FW, PW, ST	3 Pieces Ball Valve	05-H-424	Heat Exchanger Vent (Service side)	9
	A+R, Spirax Sarco, Gemü, Sirca, Fubon, Bickel Wolf	Manual	10	DN20	1/4571	Teflon	1/4571	1/4404	IV	3	FW, PW, ST	3 Pieces Ball Valve	05-H-424	Heat Exchanger Drain (Service Side)	10
	MTM, Spirax Sarco, Wakmet, babcock, BOM, Velan	Manual	10	DN100	1/4571	1/4404	1/4571	1/4404	IV	6	ST	Y-type Valve	05-D-724	Header Steam Inlet	11
	A+R, Spirax Sarco, Gemü, Sirca, Fubon, Bickel Wolf	Manual	10	DN15	1/4571	1/4404	1/4571	1/4404	IV	6		3 Pieces Ball Valve	05-D-724	Header Vent Valve	12
	A+R, Spirax Sarco, Gemü, Sirca, Fubon, Bickel Wolf	Manual	10	DN25	1/4571	1/4404	1/4571	1/4404	IV	6	PW, CA, ST, HW	3 Pieces Ball Valve	05-D-724	Header Drain Valve	13
	A+R, Spirax Sarco, Gemü, Sirca, Fubon, Bickel Wolf	Manual	10	DN15	1/4571	Teflon	1/4571	1/4404	IV	1	FW, ST	3 Pieces Ball Valve	05-T-124	Fermentation Wort Sample	14
Bfore 07-P-335	MTM, Spirax Sarco, Wakmet, babcock, BOM, Velan	Manual	16	DN25	1/4571	1/4404	1/4571	1/4404	VI	4	ST	Y-type Valve	07-T-135	Steam Valve	15
After 07-P-335	MTM, Spirax Sarco, Wakmet, babcock, BOM, Velan	Manual	16	DN15	1/4571	1/4404	1/4571	1/4404	VI	4	ST	Y-type Valve	07-T-135	Steam Valve	16
After 07-P-335	A+R, Spirax Sarco, Gemü, Sirca, Fubon, Bickel Wolf	Manual	10	DN15	1/4571	1/4404	1/4571	1/4404	IV	3	PW	3 Pieces Ball Valve	07-T-135	Line drain Valve	17
Bfore 07-P-335	A+R, Spirax Sarco, Gemü, Sirca, Fubon, Bickel Wolf	Manual	10	DN15	1/4571	1/4404	1/4571	1/4404	IV	3	PW	3 Pieces Ball Valve	07-T-135	Line drain Valve	18
	A+R, Spirax Sarco, Gemü, Sirca, Fubon, Bickel Wolf	Manual	10	DN15	1/4571	Teflon	1/4571	1/4404	IV	1	YC, ST, CA, PW	3 Pieces Ball Valve	07-T-115	Yeast Cream Sample	19
	A+R, Spirax Sarco, Gemü, Sirca, Fubon, Bickel Wolf	Manual	10	DN15	1/4571	Teflon	1/4571	1/4404	IV	1	YC, ST, CA, PW	3 Pieces Ball Valve	07-T-116	Yeast Cream Sample	20
	A+R, Spirax Sarco, Gemü, Sirca, Fubon, Bickel Wolf	Manual	10	DN15	A516	Teflon	A516	GGGG25	IV	1	CA	3 Pieces Ball Valve	10-T-103	Cleaning Agent Sample	21
	MTM, Spirax Sarco, Wakmet, babcock, BOM, Velan	Manual	16	DN80	1/4571	1/4404	1/4571	1/4404	VI	4	ST	Y-type Valve	10-T-103	Steam, Live	22
Plug is disk here	Ritag, Spirax Sarco, Erhard, Ebro	N/A	16	DN80	1/4571	1/4404	N/A	1/4404	VI	4	ST	Check Valve - Disk&Spring	10-T-103	Steam, Live	23
	MTM, Spirax Sarco, Wakmet, babcock, BOM, Velan	Manual	16	DN80	1/4571	1/4404	1/4571	1/4404	VI	2	ST	Y-type Valve	10-T-103	Steam, Waste	24
Steam, Waste	Ritag, Spirax Sarco, Erhard, Ebro	N/A	16	DN80	1/4571	1/4404	N/A	1/4404	VI	2	ST	Check Valve - Disk&Spring	10-T-103	Plug is disk here	25