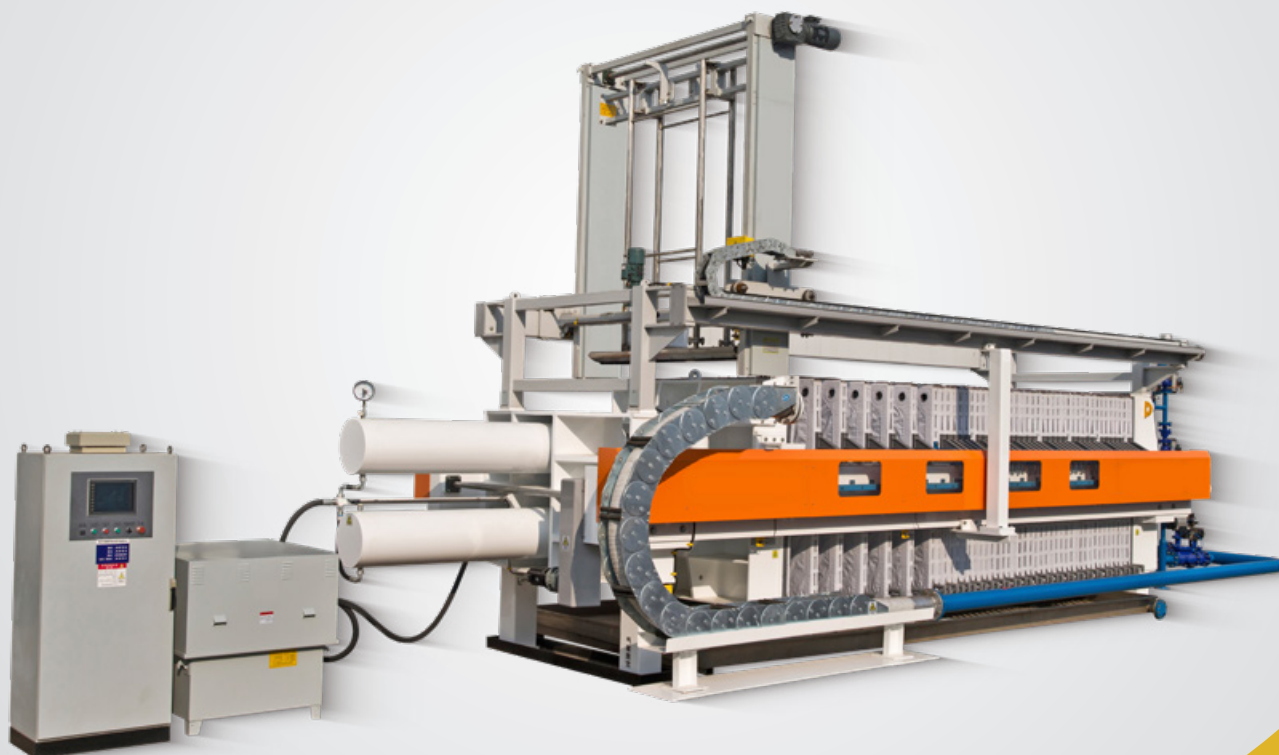
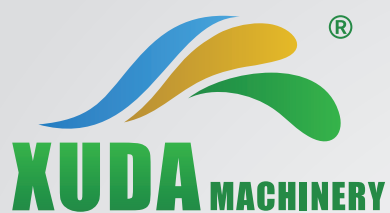




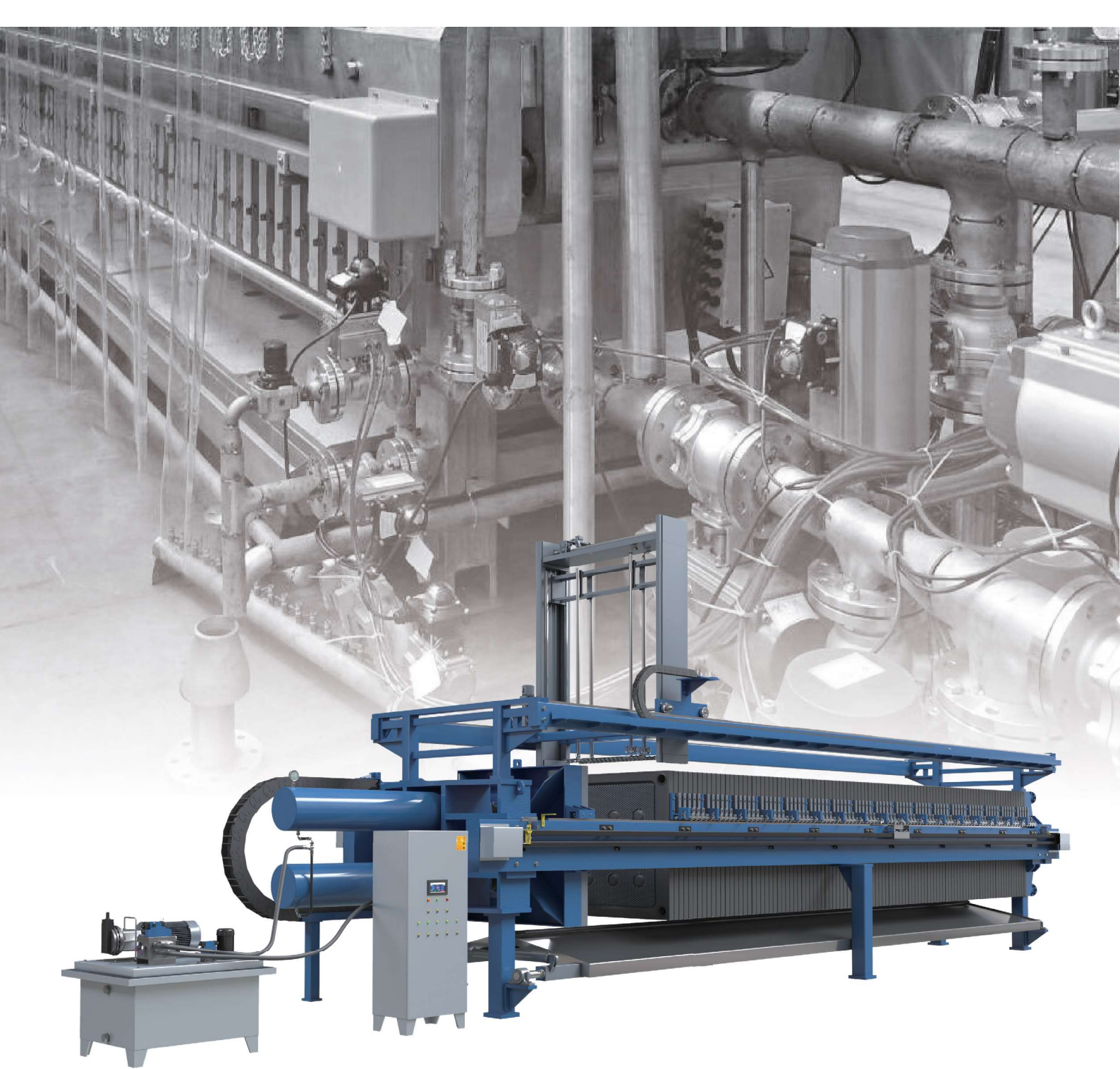
QUICK OPERATION FILTER PRESS

DEZHOU XUDA MACHINERY CO., LTD.

Filter the World, Filter the Future!

QUICK OPERATION FILTER PRESS

XD and GD series are filter press that upgraded on basis of normal automatic filter. It allows the plates to be open group by group which considerably reduce the cake discharge time and increase the production per unit area of the filter. Such kind of filters are special developed for large throughput, high filtration ability products such as mining concentrates and tailings.

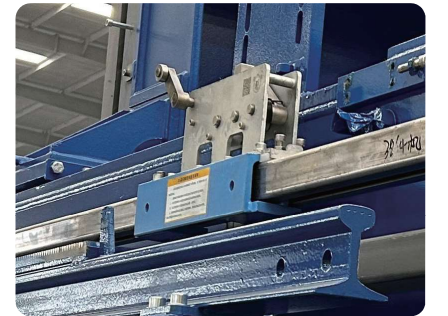


Design:

- Open & Close:** Driven by hydraulic station
- Plate Open:** By automatic plate shifter
- Plate Open Design:** Group by group
- Drip Tray:** Optional
- Automatic Cloth Washing:** Optional
- Automatic Shaking:** Optional

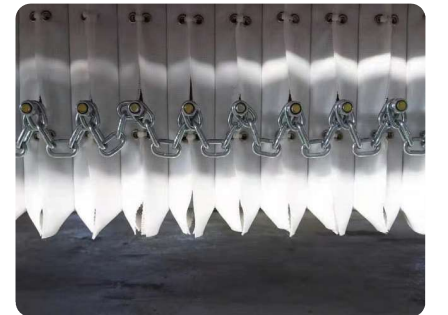
Automatic Plate Shifter

The automatic plate shifting mechanism is designed to open the plate pack and allow the cake to drop down by its own gravity. The device is made up of two trolleys which driven by chains and motor and equipped with automatic hooks that anchor and shift the plates group by group.



Quick Open Design

Thanks to the chain link design on filter plate, quick operation filter can open the plate pack group by group, which significantly reduced the cake discharge time compare to traditional one by one design and increased the filter's throughput production.



Automatic Drip Tray

The drip tray looks like two doors which can be opened and closed driven by hydraulic cylinder. It is installed under the plate pack and between the feet of the machine. When the door is closed, cloth washing water and the filtrate dropped are collected and discharged through the water channels on both sides. The drip tray will open at the end of the filtration cycle to allow the discharged cakes drop down.



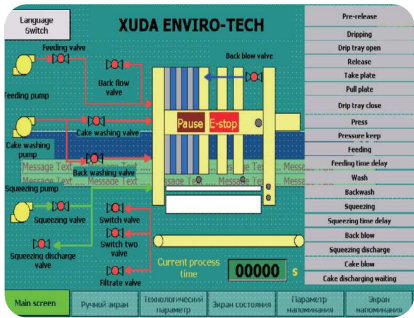
Automatic Cloth Washing Device

The cloth washing device can be installed above the plate pack, which is driven by chains and motor. When the cloth performance decreases due to blockage, such a device can spray and wash the cloth with 40~50 bar clean water to regenerate the cloth and increase its useful life.



PLC

Both PLC-based automation system and human-machine interface (HMI) are equipped to the filter to monitor the functioning, fault diagnostics and allow the continuous adjustment of the filtration parameters in order to optimize the variable process requirements.



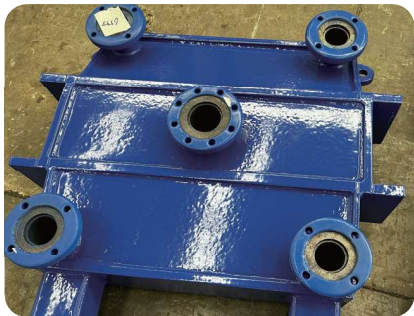
Sensor

The sensors are designed in plate shifting, cloth washing, drip tray and every other action mechanical system to ensure the correct action limit.



Corrosion Protection

According to different application environments, various anti-corrosion measures can be selected, such as corrosion-resistant painting, covered with stainless steel plate or spray plastic.



XD

Series Filter Press



XD1500 SERIES FILTER PRESS TECHNICAL PARAMETER

MODEL	CHAMBER QTY (Pcs)	FILTRATION AREA (m ²)	CHAMBER DEPTH (mm)	CHAMBER VOLUME (m ³)	PLATE THICKNESS (mm)	OPERATION TEMP (°C)	FEEDING PRESSURE (bar)	SQUEEZING PRESSURE (bar)	ESTIMATED WEIGHT (kg)	DIMENSION LxWxH (mm)
XD1500C8U30	58	215.76	30	3.24	70	0~60	≤ 8	\	24090	10190x2390x2380
	66	245.52	30	3.68	70	0~60	≤ 8	\	25060	10750x2390x2380
	78	290.16	30	4.35	70	0~60	≤ 8	\	26500	11590x2390x2380
	92	342.24	30	5.13	70	0~60	≤ 8	\	28180	12570x2390x2380
	104	386.88	30	5.80	70	0~60	≤ 8	\	29630	13410x2390x2380
XD1500C8U35	58	215.76	35	3.78	75	0~60	≤ 8	\	24230	10485x2390x2380
	66	245.52	35	4.30	75	0~60	≤ 8	\	25210	11085x2390x2380
	78	290.16	35	5.08	75	0~60	≤ 8	\	26680	11985x2390x2380
	92	342.24	35	5.99	75	0~60	≤ 8	\	28400	13035x2390x2380
	104	386.88	35	6.77	75	0~60	≤ 8	\	29870	13935x2390x2380
XD1500C8U40	58	215.76	40	4.32	80	0~60	≤ 8	\	24370	10780x2390x2380
	66	245.52	40	4.91	80	0~60	≤ 8	\	25370	11420x2390x2380
	78	290.16	40	5.80	80	0~60	≤ 8	\	26870	12380x2390x2380
	92	342.24	40	6.84	80	0~60	≤ 8	\	28620	13500x2390x2380
	104	386.88	40	7.74	80	0~60	≤ 8	\	30120	14460x2390x2380
XD1500G8U30	58	215.76	30	3.24	75	60~95	≤ 8	\	24880	10485x2390x2380
	66	245.52	30	3.68	75	60~95	≤ 8	\	25950	11085x2390x2380
	78	290.16	30	4.35	75	60~95	≤ 8	\	27560	11985x2390x2380
	92	342.24	30	5.13	75	60~95	≤ 8	\	29430	13035x2390x2380
	104	386.88	30	5.80	75	60~95	≤ 8	\	31030	13935x2390x2380
XD1500G8U35	58	215.76	35	3.78	80	60~95	≤ 8	\	25020	10780x2390x2380
	66	245.52	35	4.30	80	60~95	≤ 8	\	26110	11420x2390x2380
	78	290.16	35	5.08	80	60~95	≤ 8	\	27740	12380x2390x2380
	92	342.24	35	5.99	80	60~95	≤ 8	\	29650	13500x2390x2380
	104	386.88	35	6.77	80	60~95	≤ 8	\	31280	14460x2390x2380
XD1500G8U40	58	215.76	40	4.32	85	60~95	≤ 8	\	25150	11075x2390x2380
	66	245.52	40	4.91	85	60~95	≤ 8	\	26260	11755x2390x2380
	78	290.16	40	5.80	85	60~95	≤ 8	\	27920	12775x2390x2380
	92	342.24	40	6.84	85	60~95	≤ 8	\	29850	13965x2390x2380
	104	386.88	40	7.74	85	60~95	≤ 8	\	31510	14985x2390x2380

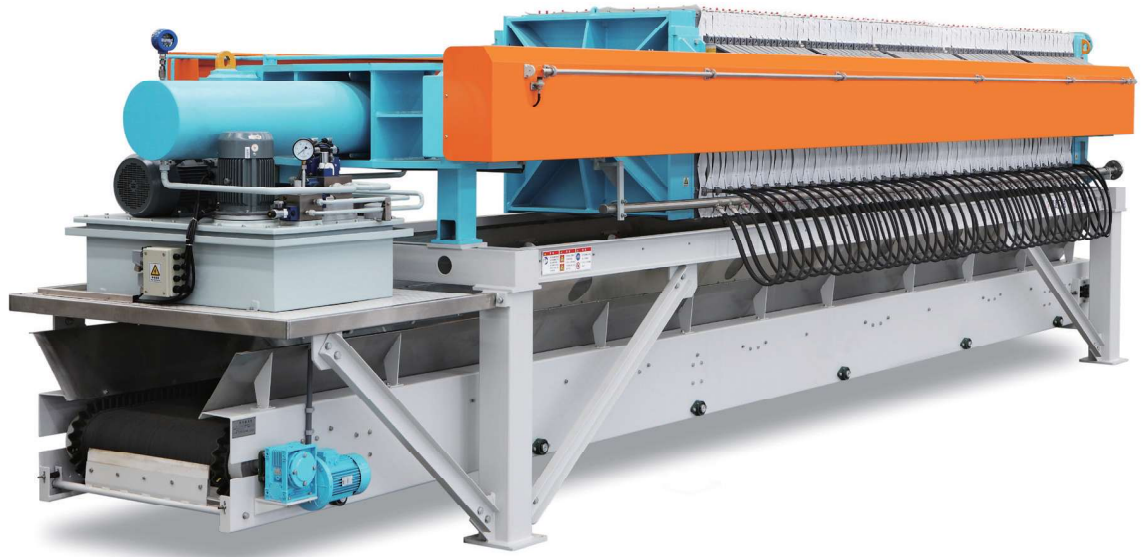
■ **XD1520 SERIES FILTER PRESS TECHNICAL PARAMETER**

MODEL	CHAMBER QTY (Pcs)	FILTRATION AREA (m ²)	CHAMBER DEPTH (mm)	CHAMBER VOLUME (m ³)	PLATE THICKNESS (mm)	OPERATION TEMP (°C)	FEEDING PRESSURE (bar)	SQUEEZING PRESSURE (bar)	ESTIMATED WEIGHT (kg)	DIMENSION LxWxH (mm)
XD1520C8U30	68	333.20	30	5.00	70	0~60	≤ 8	\	31140	11090x2390x2930
	76	372.40	30	5.59	70	0~60	≤ 8	\	32430	11650x2390x2930
	96	470.40	30	7.06	70	0~60	≤ 8	\	35660	13050x2390x2930
	114	558.60	30	8.38	70	0~60	≤ 8	\	38570	14310x2390x2930
XD1520C8U35	68	333.20	35	5.83	75	0~60	≤ 8	\	31360	11435x2390x2930
	76	372.40	35	6.52	75	0~60	≤ 8	\	32680	12035x2390x2930
	96	470.40	35	8.24	75	0~60	≤ 8	\	35980	13535x2390x2930
	114	558.60	35	9.78	75	0~60	≤ 8	\	38940	14885x2390x2930
XD1520C8U40	68	333.20	40	6.66	80	0~60	≤ 8	\	31590	11780x2390x2930
	76	372.40	40	7.45	80	0~60	≤ 8	\	32930	12420x2390x2930
	96	470.40	40	9.41	80	0~60	≤ 8	\	36290	14020x2390x2930
	114	558.60	40	11.17	80	0~60	≤ 8	\	39320	15460x2390x2930
XD1520G8U30	68	333.20	30	5.00	75	60~95	≤ 8	\	32370	11435x2390x2930
	76	372.40	30	5.59	75	60~95	≤ 8	\	33800	12035x2390x2930
	96	470.40	30	7.06	75	60~95	≤ 8	\	37390	13535x2390x2930
	114	558.60	30	8.38	75	60~95	≤ 8	\	40620	14885x2390x2930
XD1520G8U35	68	333.20	35	5.83	80	60~95	≤ 8	\	32590	11780x2390x2930
	76	372.40	35	6.52	80	60~95	≤ 8	\	34050	12420x2390x2930
	96	470.40	35	8.24	80	60~95	≤ 8	\	37700	14020x2390x2930
	114	558.60	35	9.78	80	60~95	≤ 8	\	40990	15460x2390x2930
XD1520G8U40	68	333.20	40	6.66	85	60~95	≤ 8	\	32820	12125x2390x2930
	76	372.40	40	7.45	85	60~95	≤ 8	\	34300	12805x2390x2930
	96	470.40	40	9.41	85	60~95	≤ 8	\	38020	14505x2390x2930
	114	558.60	40	11.17	85	60~95	≤ 8	\	41360	16035x2390x2930

■ **XD2000 SERIES FILTER PRESS TECHNICAL PARAMETER**

MODEL	CHAMBER QTY (Pcs)	FILTRATION AREA (m ²)	CHAMBER DEPTH (mm)	CHAMBER VOLUME (m ³)	PLATE THICKNESS (mm)	OPERATION TEMP (°C)	FEEDING PRESSURE (bar)	SQUEEZING PRESSURE (bar)	ESTIMATED WEIGHT (kg)	DIMENSION LxWxH (mm)
XD2000C8U35	70	479.50	35	8.39	80	0~60	≤ 8	\	38810	12100x2890x2930
	84	575.40	35	10.07	80	0~60	≤ 8	\	42120	13220x2890x2930
	98	671.30	35	11.75	80	0~60	≤ 8	\	45440	14340x2890x2930
	106	726.10	35	12.71	80	0~60	≤ 8	\	47330	14980x2890x2930
	112	767.20	35	13.43	80	0~60	≤ 8	\	48750	15460x2890x2930
XD2000C8U40	70	479.50	40	9.59	85	0~60	≤ 8	\	39050	12455x2890x2930
	84	575.40	40	11.51	85	0~60	≤ 8	\	42410	13645x2890x2930
	98	671.30	40	13.43	85	0~60	≤ 8	\	45770	14835x2890x2930
	106	726.10	40	14.52	85	0~60	≤ 8	\	47690	15515x2890x2930
	112	767.20	40	15.34	85	0~60	≤ 8	\	49130	16025x2890x2930
XD2000C8U50	70	479.50	50	11.99	95	0~60	≤ 8	\	39540	13165x2890x2930
	84	575.40	50	14.39	95	0~60	≤ 8	\	43000	14495x2890x2930
	98	671.30	50	16.79	95	0~60	≤ 8	\	46450	15825x2890x2930
	106	726.10	50	18.16	95	0~60	≤ 8	\	48430	16585x2890x2930
	112	767.20	50	19.19	95	0~60	≤ 8	\	49910	17155x2890x2930
XD2000G8U35	70	479.50	35	8.39	85	60~95	≤ 8	\	40490	12455x2890x2930
	84	575.40	35	10.07	85	60~95	≤ 8	\	44130	13645x2890x2930
	98	671.30	35	11.75	85	60~95	≤ 8	\	47780	14835x2890x2930
	106	726.10	35	12.71	85	60~95	≤ 8	\	49860	15515x2890x2930
	112	767.20	35	13.43	85	60~95	≤ 8	\	51420	16025x2890x2930
XD2000G8U40	70	479.50	40	9.59	90	60~95	≤ 8	\	40730	12810x2890x2930
	84	575.40	40	11.51	90	60~95	≤ 8	\	44420	14070x2890x2930
	98	671.30	40	13.43	90	60~95	≤ 8	\	48110	15330x2890x2930
	106	726.10	40	14.52	90	60~95	≤ 8	\	50220	16050x2890x2930
	112	767.20	40	15.34	90	60~95	≤ 8	\	51810	16590x2890x2930
XD2000G8U50	70	479.50	50	11.99	100	60~95	≤ 8	\	41220	13520x2890x2930
	84	575.40	50	14.39	100	60~95	≤ 8	\	45010	14920x2890x2930
	98	671.30	50	16.79	100	60~95	≤ 8	\	48800	16320x2890x2930
	106	726.10	50	18.16	100	60~95	≤ 8	\	50960	17120x2890x2930
	112	767.20	50	19.19	100	60~95	≤ 8	\	52580	17720x2890x2930

GD Series Filter Press



■ **GD1500 SERIES FILTER PRESS TECHNICAL PARAMETER**

MODEL	CHAMBER QTY (Pcs)	FILTRATION AREA (m ²)	CHAMBER DEPTH (mm)	CHAMBER VOLUME (m ³)	PLATE THICKNESS (mm)	OPERATION TEMP (°C)	FEEDING PRESSURE (bar)	SQUEEZING PRESSURE (bar)	ESTIMATED WEIGHT (kg)	DIMENSION LxWxH (mm)
GD1500C8U30	58	215.76	30	3.24	75/70	0~60	≤ 8	≤ 12	24100	10335x2390x2380
	66	245.52	30	3.68	75/70	0~60	≤ 8	≤ 12	25060	10915x2390x2380
	78	290.16	30	4.35	75/70	0~60	≤ 8	≤ 12	26500	11785x2390x2380
	92	342.24	30	5.13	75/70	0~60	≤ 8	≤ 12	28190	12800x2390x2380
	104	386.88	30	5.80	75/70	0~60	≤ 8	≤ 12	29630	13670x2390x2380
GD1500C8U35	58	215.76	35	3.78	80/75	0~60	≤ 8	≤ 12	24230	10630x2390x2380
	66	245.52	35	4.30	80/75	0~60	≤ 8	≤ 12	25210	11250x2390x2380
	78	290.16	35	5.08	80/75	0~60	≤ 8	≤ 12	26680	12180x2390x2380
	92	342.24	35	5.99	80/75	0~60	≤ 8	≤ 12	28390	13265x2390x2380
	104	386.88	35	6.77	80/75	0~60	≤ 8	≤ 12	29870	14195x2390x2380
GD1500C8U40	58	215.76	40	4.32	85/80	0~60	≤ 8	≤ 12	24360	10925x2390x2380
	66	245.52	40	4.91	85/80	0~60	≤ 8	≤ 12	25360	11585x2390x2380
	78	290.16	40	5.80	85/80	0~60	≤ 8	≤ 12	26850	12575x2390x2380
	92	342.24	40	6.84	85/80	0~60	≤ 8	≤ 12	28600	13730x2390x2380
	104	386.88	40	7.74	85/80	0~60	≤ 8	≤ 12	30100	14720x2390x2380
GD1500G8U30	58	215.76	30	3.24	80/75	60~95	≤ 8	≤ 10	24850	10630x2390x2380
	66	245.52	30	3.68	80/75	60~95	≤ 8	≤ 10	25910	11250x2390x2380
	78	290.16	30	4.35	80/75	60~95	≤ 8	≤ 10	27510	12180x2390x2380
	92	342.24	30	5.13	80/75	60~95	≤ 8	≤ 10	29370	13265x2390x2380
	104	386.88	30	5.80	80/75	60~95	≤ 8	≤ 10	30960	14195x2390x2380
GD1500G8U35	58	215.76	35	3.78	85/80	60~95	≤ 8	≤ 10	24980	10925x2390x2380
	66	245.52	35	4.30	85/80	60~95	≤ 8	≤ 10	26060	11585x2390x2380
	78	290.16	35	5.08	85/80	60~95	≤ 8	≤ 10	27680	12575x2390x2380
	92	342.24	35	5.99	85/80	60~95	≤ 8	≤ 10	29570	13730x2390x2380
	104	386.88	35	6.77	85/80	60~95	≤ 8	≤ 10	31200	14720x2390x2380
GD1500G8U40	58	215.76	40	4.32	90/85	60~95	≤ 8	≤ 10	25100	11220x2390x2380
	66	245.52	40	4.91	90/85	60~95	≤ 8	≤ 10	26200	11920x2390x2380
	78	290.16	40	5.80	90/85	60~95	≤ 8	≤ 10	27850	12970x2390x2380
	92	342.24	40	6.84	90/85	60~95	≤ 8	≤ 10	29770	14195x2390x2380
	104	386.88	40	7.74	90/85	60~95	≤ 8	≤ 10	31420	15245x2390x2380

GD1520 SERIES FILTER PRESS TECHNICAL PARAMETER

MODEL	CHAMBER QTY (Pcs)	FILTRATION AREA (m ²)	CHAMBER DEPTH (mm)	CHAMBER VOLUME (m ³)	PLATE THICKNESS (mm)	OPERATION TEMP (°C)	FEEDING PRESSURE (bar)	SQUEEZING PRESSURE (bar)	ESTIMATED WEIGHT (kg)	DIMENSION LxWxH (mm)
GD1520C8U30	68	333.20	30	5.00	75/70	0~60	≤ 8	≤ 12	31140	11260x2390x2930
	76	372.40	30	5.59	75/70	0~60	≤ 8	≤ 12	32430	11840x2390x2930
	96	470.40	30	7.06	75/70	0~60	≤ 8	≤ 12	35660	13290x2390x2930
	114	558.60	30	8.38	75/70	0~60	≤ 8	≤ 12	38570	14595x2390x2930
GD1520C8U35	68	333.20	35	5.83	80/75	0~60	≤ 8	≤ 12	31360	11605x2390x2930
	76	372.40	35	6.52	80/75	0~60	≤ 8	≤ 12	32670	12225x2390x2930
	96	470.40	35	8.24	80/75	0~60	≤ 8	≤ 12	35960	13775x2390x2930
	114	558.60	35	9.78	80/75	0~60	≤ 8	≤ 12	38930	15170x2390x2930
GD1520C8U40	68	333.20	40	6.66	85/80	0~60	≤ 8	≤ 12	31570	11950x2390x2930
	76	372.40	40	7.45	85/80	0~60	≤ 8	≤ 12	32910	12610x2390x2930
	96	470.40	40	9.41	85/80	0~60	≤ 8	≤ 12	36260	14260x2390x2930
	114	558.60	40	11.17	85/80	0~60	≤ 8	≤ 12	39280	15745x2390x2930
GD1520G8U30	68	333.20	30	5.00	80/75	60~95	≤ 8	≤ 10	32310	11605x2390x2930
	76	372.40	30	5.59	80/75	60~95	≤ 8	≤ 10	33730	12225x2390x2930
	96	470.40	30	7.06	80/75	60~95	≤ 8	≤ 10	37300	13775x2390x2930
	114	558.60	30	8.38	80/75	60~95	≤ 8	≤ 10	40510	15170x2390x2930
GD1520G8U35	68	333.20	35	5.83	85/80	60~95	≤ 8	≤ 10	32520	11950x2390x2930
	76	372.40	35	6.52	85/80	60~95	≤ 8	≤ 10	33980	12610x2390x2930
	96	470.40	35	8.24	85/80	60~95	≤ 8	≤ 10	37600	14260x2390x2930
	114	558.60	35	9.78	85/80	60~95	≤ 8	≤ 10	40870	15745x2390x2930
GD1520G8U40	68	333.20	40	6.66	90/85	60~95	≤ 8	≤ 10	32730	12295x2390x2930
	76	372.40	40	7.45	90/85	60~95	≤ 8	≤ 10	34210	12995x2390x2930
	96	470.40	40	9.41	90/85	60~95	≤ 8	≤ 10	37900	14745x2390x2930
	114	558.60	40	11.17	90/85	60~95	≤ 8	≤ 10	41220	16320x2390x2930

GD2000 SERIES FILTER PRESS TECHNICAL PARAMETER

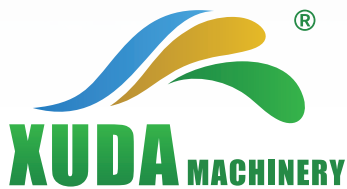
MODEL	CHAMBER QTY (Pcs)	FILTRATION AREA (m ²)	CHAMBER DEPTH (mm)	CHAMBER VOLUME (m ³)	PLATE THICKNESS (mm)	OPERATION TEMP (°C)	FEEDING PRESSURE (bar)	SQUEEZING PRESSURE (bar)	ESTIMATED WEIGHT (kg)	DIMENSION LxWxH (mm)
GD2000C8U35	70	479.50	35	8.39	85/80	0~60	≤ 8	≤ 12	38740	12275x2890x2930
	84	575.40	35	10.07	85/80	0~60	≤ 8	≤ 12	42030	13430x2890x2930
	98	671.30	35	11.75	85/80	0~60	≤ 8	≤ 12	45330	14585x2890x2930
	106	726.10	35	12.71	85/80	0~60	≤ 8	≤ 12	47220	15245x2890x2930
	112	767.20	35	13.43	85/80	0~60	≤ 8	≤ 12	48630	15740x2890x2930
GD2000C8U40	70	479.50	40	9.59	90/85	0~60	≤ 8	≤ 12	38970	12630x2890x2930
	84	575.40	40	11.51	90/85	0~60	≤ 8	≤ 12	42310	13855x2890x2930
	98	671.30	40	13.43	90/85	0~60	≤ 8	≤ 12	45660	15080x2890x2930
	106	726.10	40	14.52	90/85	0~60	≤ 8	≤ 12	47570	15780x2890x2930
	112	767.20	40	15.34	90/85	0~60	≤ 8	≤ 12	49000	16305x2890x2930
GD2000C8U50	70	479.50	50	11.99	100/95	0~60	≤ 8	≤ 12	39430	13340x2890x2930
	84	575.40	50	14.39	100/95	0~60	≤ 8	≤ 12	42860	14705x2890x2930
	98	671.30	50	16.79	100/95	0~60	≤ 8	≤ 12	46300	16070x2890x2930
	106	726.10	50	18.16	100/95	0~60	≤ 8	≤ 12	48260	16850x2890x2930
	112	767.20	50	19.19	100/95	0~60	≤ 8	≤ 12	49740	17435x2890x2930
GD2000G8U35	70	479.50	35	8.39	90/85	60~95	≤ 8	≤ 10	40330	12630x2890x2930
	84	575.40	35	10.07	90/85	60~95	≤ 8	≤ 10	43950	13855x2890x2930
	98	671.30	35	11.75	90/85	60~95	≤ 8	≤ 10	47560	15080x2890x2930
	106	726.10	35	12.71	90/85	60~95	≤ 8	≤ 10	49630	15780x2890x2930
	112	767.20	35	13.43	90/85	60~95	≤ 8	≤ 10	51180	16305x2890x2930
GD2000G8U40	70	479.50	40	9.59	95/90	60~95	≤ 8	≤ 10	40560	12985x2890x2930
	84	575.40	40	11.51	95/90	60~95	≤ 8	≤ 10	44220	14280x2890x2930
	98	671.30	40	13.43	95/90	60~95	≤ 8	≤ 10	47880	15575x2890x2930
	106	726.10	40	14.52	95/90	60~95	≤ 8	≤ 10	49980	16315x2890x2930
	112	767.20	40	15.34	95/90	60~95	≤ 8	≤ 10	51540	16870x2890x2930
GD2000G8U50	70	479.50	50	11.99	105/100	60~95	≤ 8	≤ 10	41030	13695x2890x2930
	84	575.40	50	14.39	105/100	60~95	≤ 8	≤ 10	44780	15130x2890x2930
	98	671.30	50	16.79	105/100	60~95	≤ 8	≤ 10	48530	16565x2890x2930
	106	726.10	50	18.16	105/100	60~95	≤ 8	≤ 10	50670	17385x2890x2930
	112	767.20	50	19.19	105/100	60~95	≤ 8	≤ 10	52280	18000x2890x2930



FILTER PRESS STANDARD CONFIGURATION

PLATE SIZE	CYLINDER SIZE	CYLINDER QTY	HYDRAULIC PUMP MOTOR POWER (Kw)	PLATE SHIFTER MOTOR POWER (Kw)	FEEDING PRESSURE (MPa)	SQUEEZING PRESSURE (MPa)
1500	320	2	11	3.0	0.8	\
	320	2	11	3.0	0.8	1.2
	360	2	15	3.0	1.2	1.5
1520	320	2	11	3.0	0.8	\
	360	2	15	3.0	0.8	1.2
	400	2	18.5	3.0	1.2	1.5
2000	360	2	15	3.0	0.8	\
	400	2	18.5	3.0	0.8	1.2
	450	2	18.5	3.0	1.2	1.5





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