

FX SQUEEZE

Model 12



FONDAREX®

GENERATION	2026.07
Mobile configuration	Yes
Cylinder control blocks	1 to 4
Squeeze cylinder	1 to 12
System pressure	30 – 320 bar
Hydraulic medium	Water-glycol
Pump capacity	11 kW
Cooling capacity	3 kW
Tank volume	100 l
Accumulator volume	40 l
Noise emission	< 70 dB(A)
Max. ambient temperature	42°C

MONITORING (HMI MONITOR)	
Languages	EN/DE
Process overview	Yes
Oil temperature	Yes
Working pressure (real time)	Per squeeze cylinder
Return pressure (real time)	Per squeeze cylinder
Cylinder stroke	For cylinders with stroke measurement system

MEASUREMENT RECORDING	
Medium	OPC/UA
Production data	Yes
Start time	Per squeeze cylinder
End time	Per squeeze cylinder
Achieved stroke	For cylinders with stroke measurement system

MEASURED VALUES (CURVES OVER TIME)	
Pressure curves	Per squeeze cylinder
Squeeze stroke curve	For cylinders with stroke measurement system
Return pressure	Per squeeze cylinder

RECOMMENDED APPLICATION RANGE	
Squeeze pin diameter	4 – 40 mm
Squeeze stroke	Up to 40 mm
Squeeze pressure (in the metal)*	400 – 4000 bar

COMPONENTS	
CPU	Bosch-Rexroth
HMI touch screen	Bosch Rexroth (17")
Hydraulic pump	External gear pump
Pump control	Frequency-controlled
Hydraulic tank	Stainless steel
Internal fieldbus	I/O Link
Protection class (control blocks)	IP65
Protection class (unit)	IP54

AMBIENT CONDITIONS	
Temperature	5 – 42°C
Air humidity	0 – 90% (non-condensing)

DIMENSIONS [WIDTH X HIGHT X DEPTH]	
Unit	800 x 1700 x 1400 mm ³
Control blocks	300 x 410 x 320 mm ³
Electrical cabinet	400 x 600 x 210 mm ³
Accumulator	600 x 1320 x 400 mm ³

MEDIA CONNECTIONS	
Power supply	3 x 400 V 32 A 50 Hz
Cooling water	22 l

ADJUSTABLE PROCESS PARAMETERS	
Squeeze start	Per squeeze cylinder
Squeeze pressure	Per squeeze cylinder
Pressure rise time	Per squeeze cylinder
Progressive pressure profile	Per squeeze cylinder
Degressive pressure profile	Per squeeze cylinder
Pressure holding time	Per squeeze cylinder
Return force	Per squeeze cylinder

INTERFACE	
Profinet	Yes
Cable interface	Optional

*Not achievable with all combinations of squeeze cylinder/pin diameter