80% LESS ENERGY

usage compared with an AODD

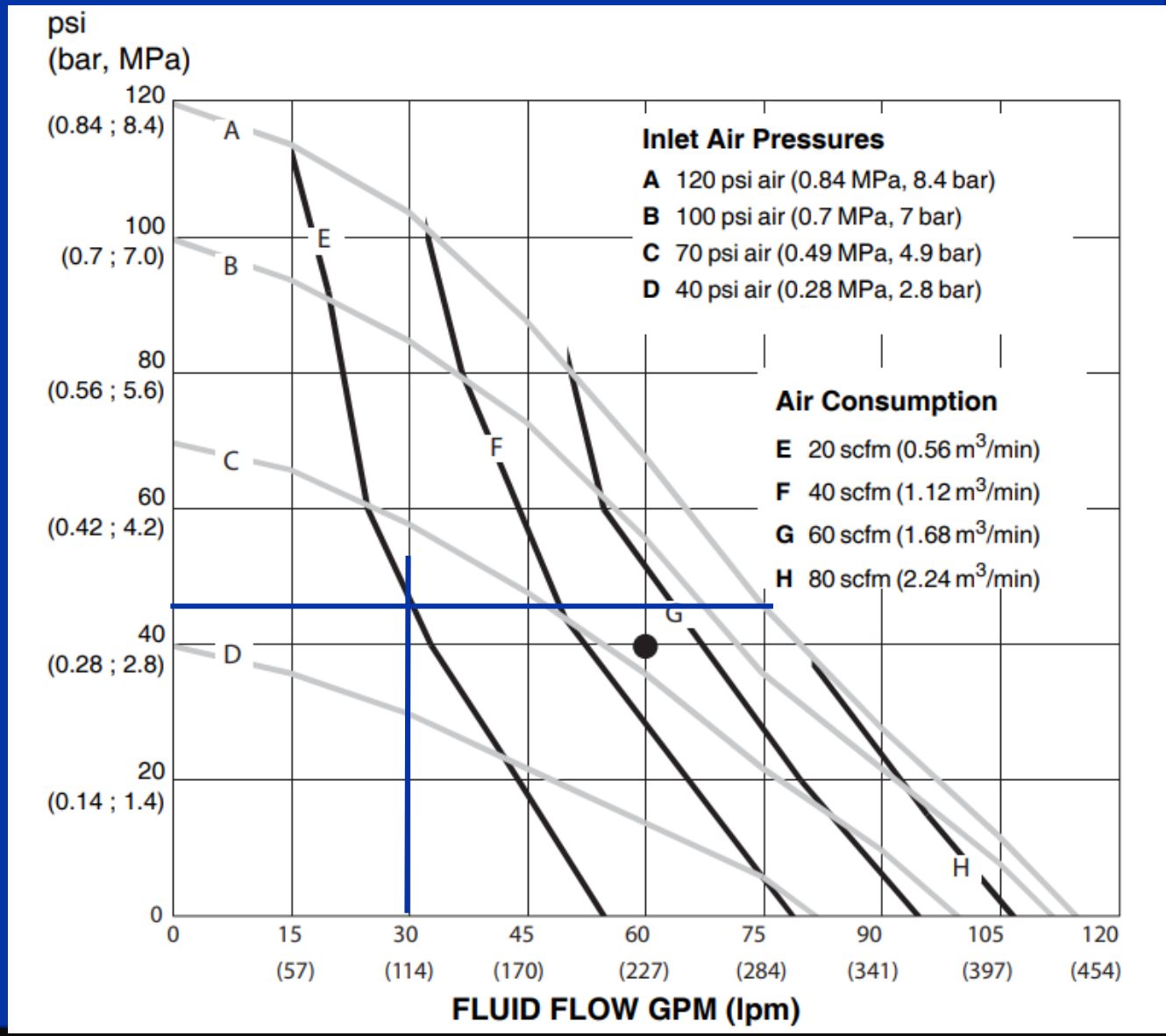
pressurized air?
1,5” pump

Pump air consumption:

120.000m³/year

3bar air – 114lpm → 0,56 m³/min
8h/day – 5days/week – 50weeks

1,5” pump performance graph:



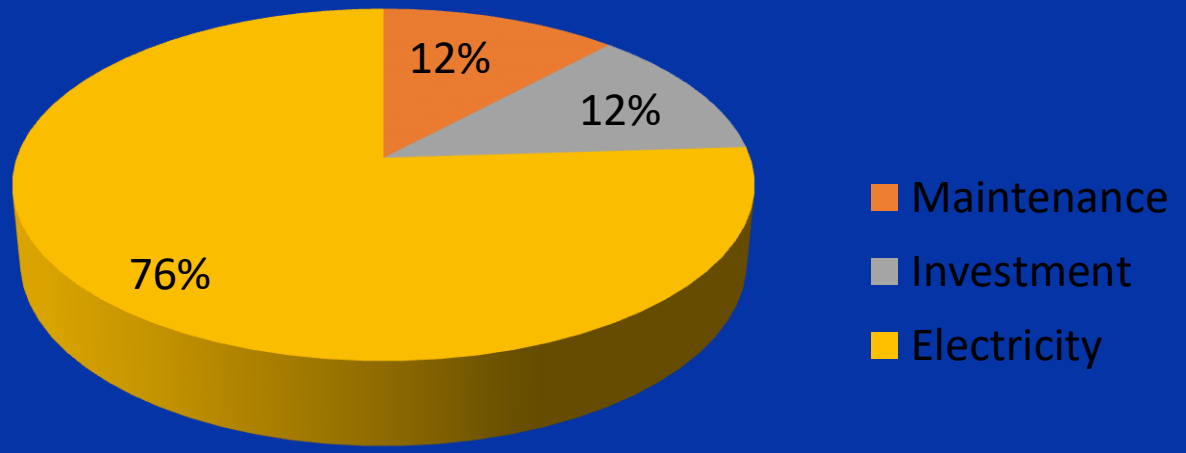
What's the cost for pressurized air?

1m³ air = 0,025€
(electricity 0,20€/kwh)

COMPRESSOR:
Rule of thumb: 1m³ ~ 0,1 kwh

Add:
- 20-30% air losses due to leaks,
- maintenance costs

The 10 year operating cost of a typical air compressor is mostly energy



QUANTM®

EODD 1,5”
QUANTM

AODD 1,5”
HUSKY

QUANTM®

440€/year

3000€/year

90% less energy cost

LP 1,5” Quantm ~ 4.500€

few end users understand how much energy pneumatic pumps are consuming

What's the cost for pressurized air?

air consumption:

1" pump – 5bar air – 80lpm → 0,8 m³/min

Year cunsumption 8h/day – 5days/week – 50weeks

= 96.000m³/year

Cost pressurized air:

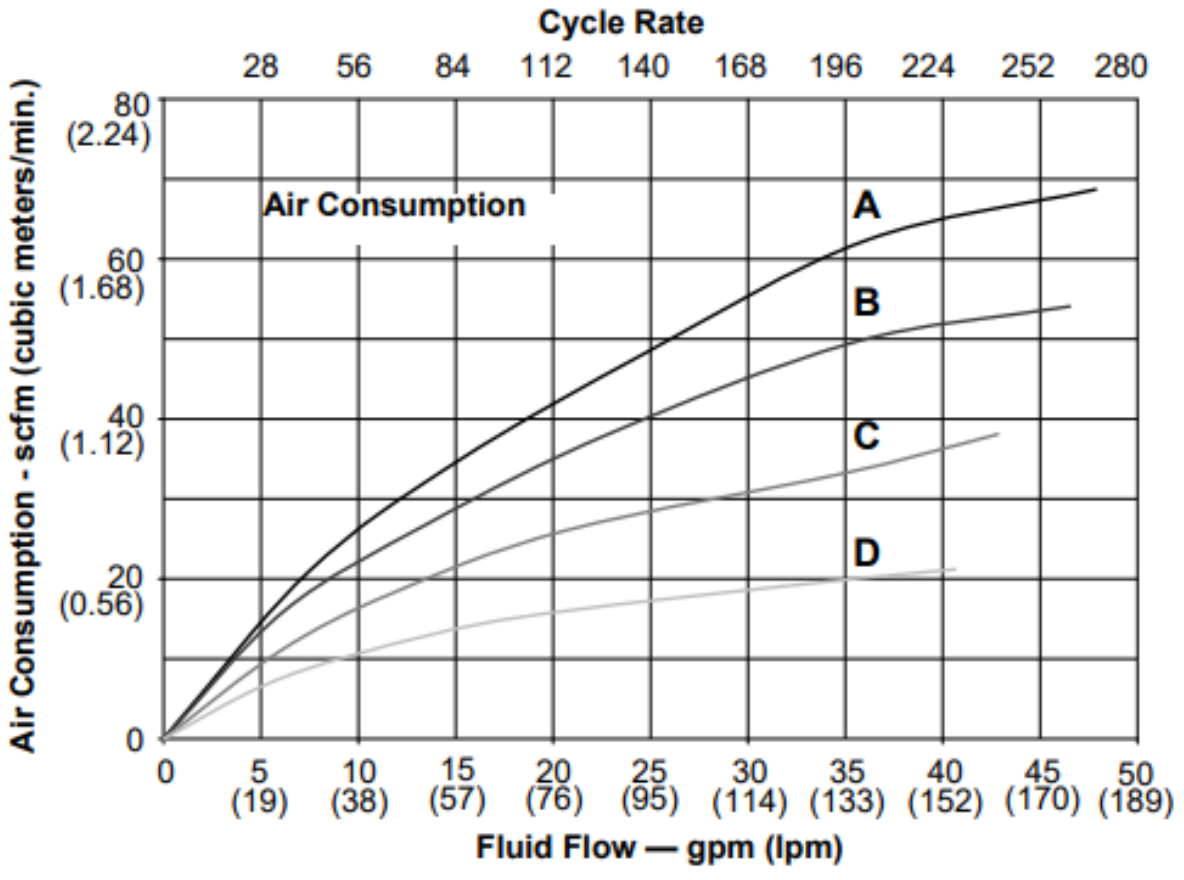
1m³ air = 0,025€ (electricity 0,20€/kwh)

=**2400€/year** (without air pressure losses & maintenance!)

(vs **340€**/year Quantm i30)

Typical pneumatic pump is less than 20% efficient

Accounting for compressor efficiency, losses due to leaks, and amount of compressed air



Performance Comparison

1” pump

- AODD – 175 lpm/7 bar (46gpm/100psi)
- EODD – 160 lpm/5 bar (42gpm/70psi)
- Quantm – 120 lpm/7 bar (32gpm/100psi)

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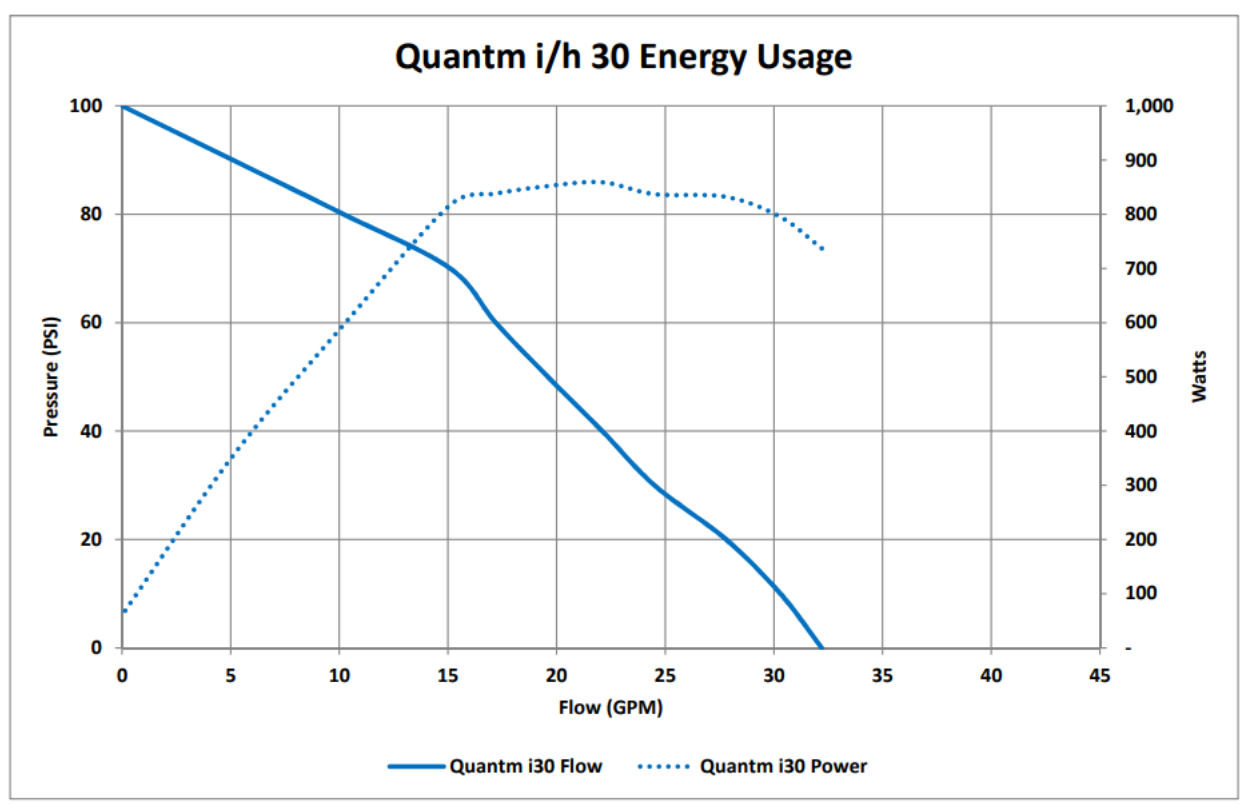

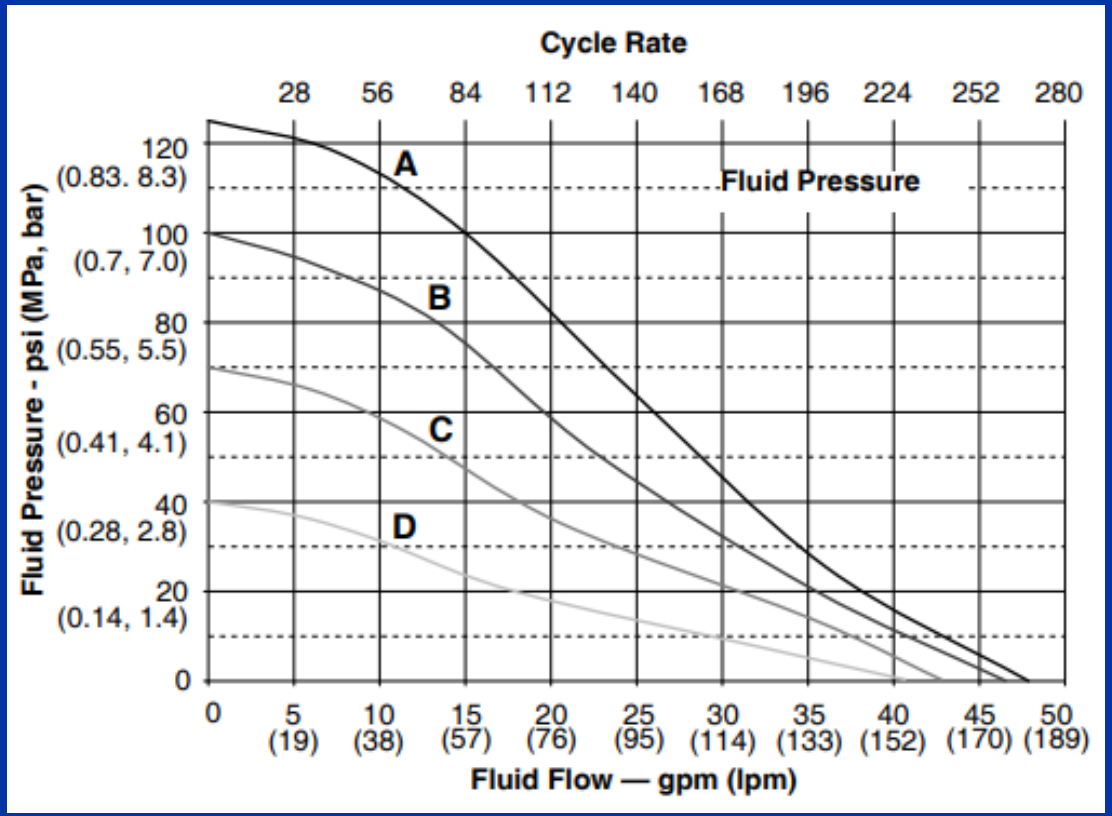

Performance Comparison

1 ½ ” pump (Husky 1590)

- AODD – 420 lpm/7 bar (110gpm/100psi)
- EODD – N/A
- Quantm – 250 lpm/7 bar (65gpm/100psi)

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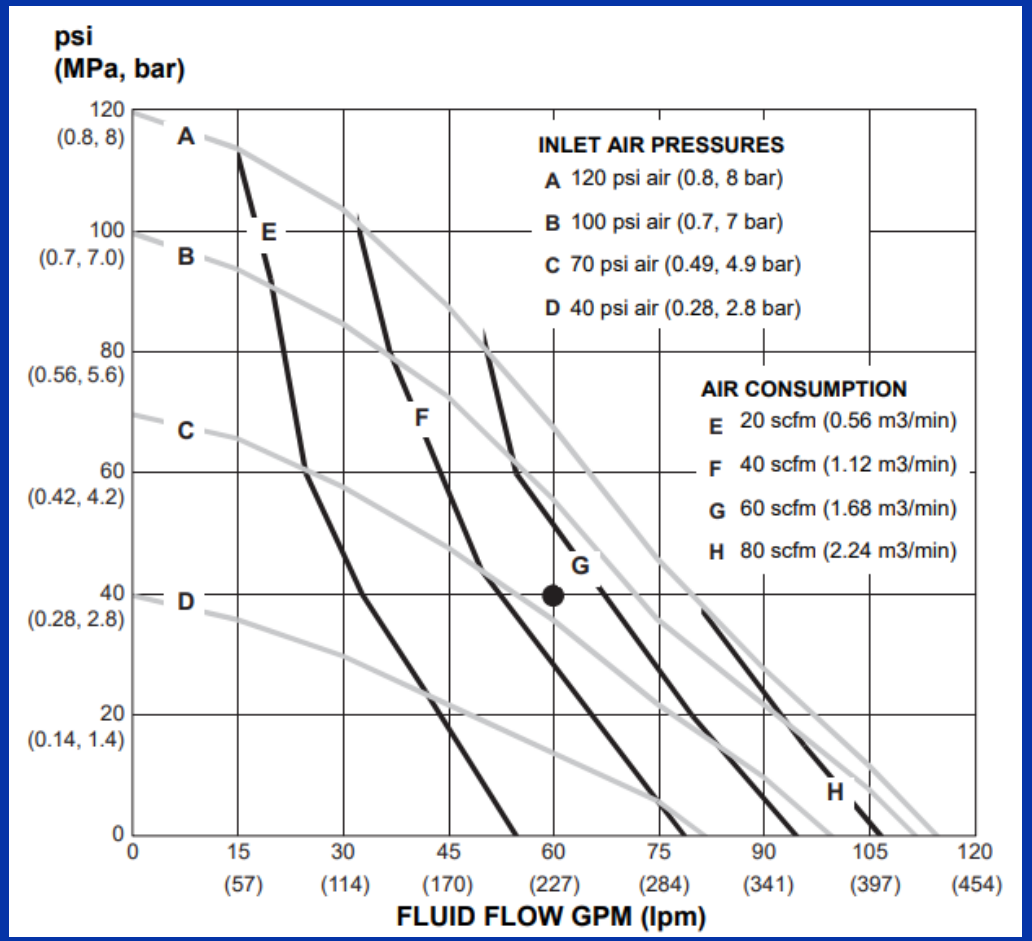

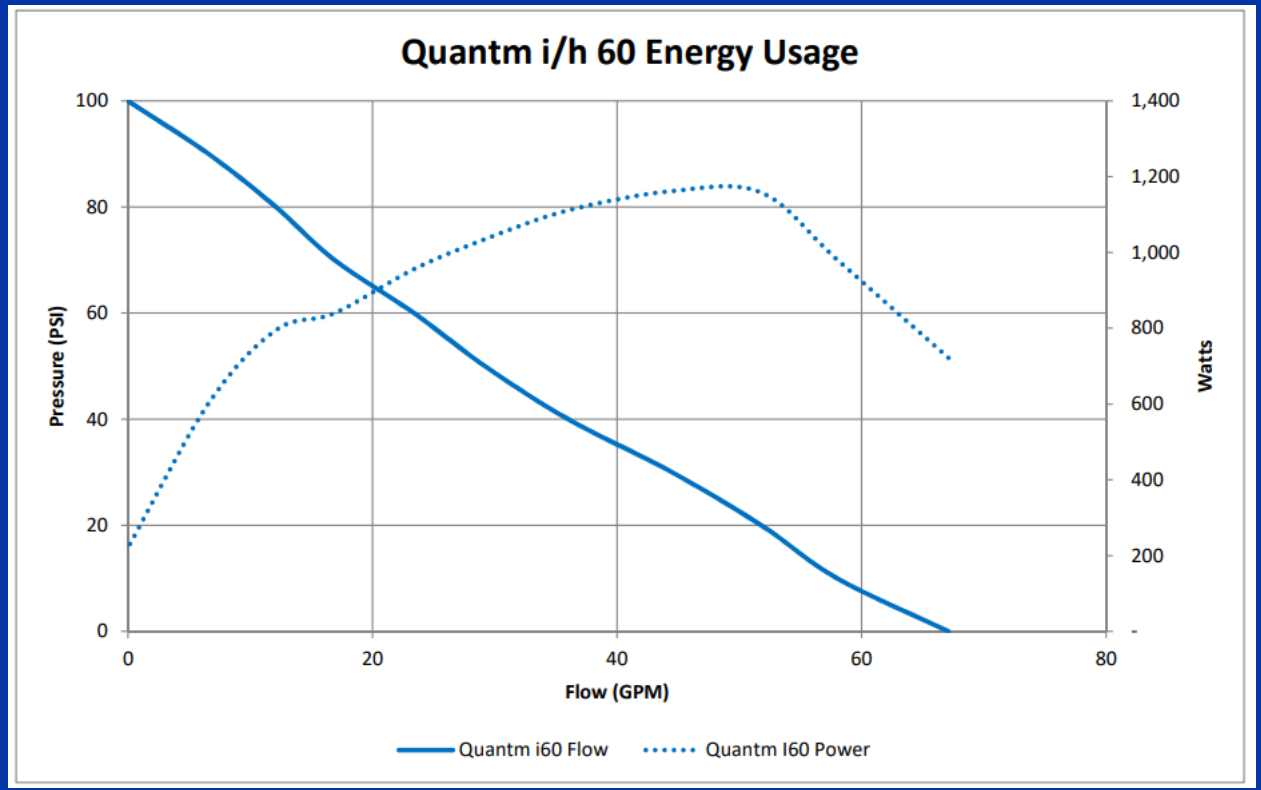

Performance Comparison

2 ” pump (Husky 2150)

- AODD – 510 lpm/7 bar (135gpm/100psi)
- EODD – 380 lpm/5 bar (100gpm/70psi)
- Quantm – 415 lpm/4 bar (110gpm/60psi)

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