



## Эфир, D<sup>1/4</sup>D, Ñ±DμÑ•D°D, Dμ DϕDμÑ...D<sup>1/2</sup>D<sup>3/4</sup>D»D<sup>3/4</sup>D<sup>3</sup>D, D,

DϕD, D<sup>1/4</sup>D, Ñ±DμÑ•D°D, Dμ DϕDμÑ...D<sup>1/2</sup>D<sup>3/4</sup>D»D<sup>3/4</sup>D<sup>3</sup>D, D,

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## Э—D°D´D°Ñ±D° 6-14

(DžD±D<sup>3/4</sup>Ñ€ÑfD´D<sup>3/4</sup>D<sup>2</sup>D°D<sup>1/2</sup>D, Dμ D´D»Ñ•

D<sup>1/2</sup>DμÑ,,Ñ,)

ρÑfD± 120



**Э—D°D´D°Ñ±D° 6.14** Э D°Ñ•Ñ•Ñ±D,Ñ,D°Ñ,ÑCE Ñ€DμD°D°Ñ,D<sup>3/4</sup>Ñ€ D¿D<sup>3/4</sup>D»D, D<sup>1/4</sup>DμÑ€D, D°Ñ±D, D, D±ÑfÑ,Ñ,D°D<sup>1/2</sup>-D±ÑfÑ,D, D»DμD<sup>1/2</sup>D<sup>3/4</sup>D<sup>2</sup>D<sup>3/4</sup>D<sup>1</sup> Ñ,,Ñ€D°D°Ñ±D, D, (Ñ€D,Ñ•. 3.24) D, D¿Ñ€D,Ñ•ÑfÑ,Ñ•Ñ,D<sup>2</sup>D, D, D°D°Ñ,D°D»D, D-D°Ñ,D<sup>3/4</sup>Ñ€D° (Ñ,,D<sup>3/4</sup>Ñ•Ñ,,D<sup>3/4</sup>Ñ€D<sup>1/2</sup>D°Ñ• D°D,Ñ•D»D<sup>3/4</sup>Ñ,D° D<sup>1/2</sup>D° D°D, D-DμD»ÑCED<sup>3</sup>fÑ€Dμ) D¿Ñ€D, Ñ•D»DμD´ÑfÑžÑ%D,Ñ... D,Ñ•Ñ...D<sup>3/4</sup>D´D<sup>1/2</sup>Ñ•Ñ... D´D°D<sup>1/2</sup>Ñ•Ñ...: D¿Ñ€D<sup>3/4</sup>D, D-D<sup>2</sup>D<sup>3/4</sup>D´D,Ñ,DμD»ÑCED<sup>1/2</sup>D<sup>3/4</sup>Ñ•Ñ,ÑCE Ñ€DμD°D°Ñ,D<sup>3/4</sup>Ñ€D° D¿D<sup>3/4</sup> Ñ•Ñ•Ñ€ÑCEÑž GÑ• = 25000 D°D<sup>3</sup>/Ñ±; Ñ•D<sup>3/4</sup>Ñ•Ñ,D°D<sup>2</sup> Ñ•Ñ•Ñ€ÑCEÑ• D¿Ñ€D, D<sup>2</sup>DμD´DμD<sup>1/2</sup> D<sup>2</sup> Ñ,D°D±D». 3.59; Ñ,DμD<sup>1/4</sup>D¿DμÑ€D°Ñ,ÑfÑ€D° D¿D° D<sup>2</sup>Ñ...D<sup>3/4</sup>D´Dμ D<sup>2</sup> Ñ€DμD°D°Ñ,D<sup>3/4</sup>Ñ€ T1 = 463 Dš; D´D°D<sup>2</sup>D»DμD<sup>1/2</sup>D, Dμ D<sup>2</sup> Ñ€DμD°D°Ñ,D<sup>3/4</sup>Ñ€Dμ D = 3,43 DœDŸD°.

Таблица 59

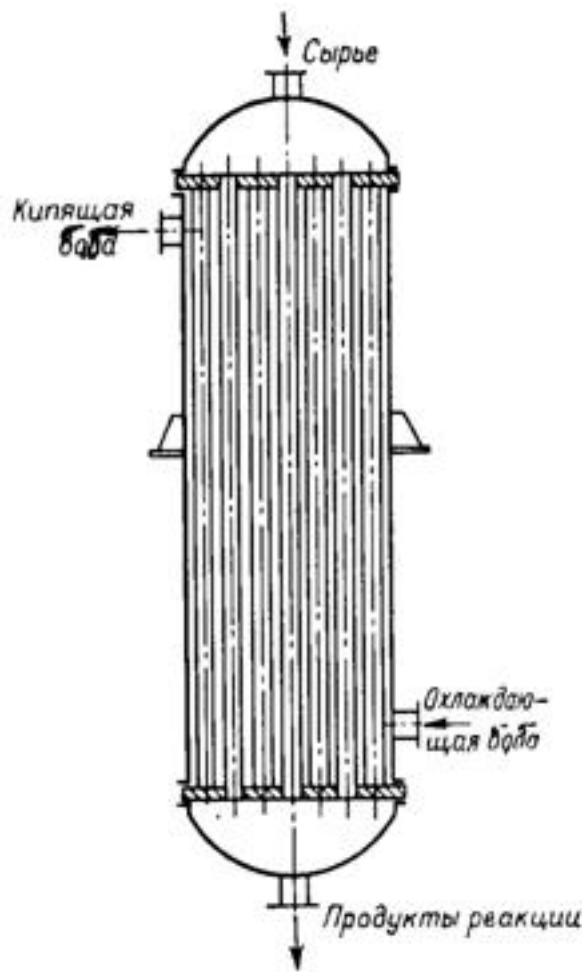
Компоненты	C <sub>1</sub> H <sub>4</sub>	изо-C <sub>4</sub> H <sub>8</sub>	н-C <sub>4</sub> H <sub>8</sub>	C <sub>4</sub> H <sub>10</sub>	C <sub>5</sub> H <sub>12</sub>	Сумма
Содержание массе, %	1,9	10,7	24,5	61,9	1,0	100,0

D°D, D¶Dμ D¿Ñ€D, D<sup>2</sup>D<sup>3/4</sup>D´D,Ñ,Ñ•Ñ• Ñ,DμÑ...D<sup>1/2</sup>D<sup>3/4</sup>D»D<sup>3/4</sup>D<sup>3</sup>Ñ±DμÑ•D°D, D<sup>1</sup> Ñ€D°Ñ•Ñ±DμÑ, D°D<sup>3/4</sup>D¶ÑfÑ...D<sup>3/4</sup>Ñ,Ñ€ÑfD±Ñ±D°Ñ,D<sup>3/4</sup>D<sup>3</sup>D<sup>3/4</sup> Ñ€DμD°D°Ñ,D<sup>3/4</sup>Ñ€D° D´D»Ñ• D°D°Ñ,D°D»D,Ñ,D,Ñ±DμÑ•D°D<sup>3/4</sup>D<sup>1</sup>

$\Delta T_{\text{ср}} \approx \frac{1}{2} (\Delta T_{\text{вх}} + \Delta T_{\text{вых}})$       $\Delta T_{\text{ср}} = \frac{1}{2} (\Delta T_{\text{вх}} + \Delta T_{\text{вых}})$       $\Delta T_{\text{ср}} = \frac{1}{2} (\Delta T_{\text{вх}} + \Delta T_{\text{вых}})$       $\Delta T_{\text{ср}} = \frac{1}{2} (\Delta T_{\text{вх}} + \Delta T_{\text{вых}})$

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ĐŸĐ¼Đ»ŃfŃ†Đ,Ń,ŃCE Đ'Đ°Đ½Đ½ŃfŃŽ Đ·Đ°Đ'Đ°Ń†Ńf Đ²Đ¼Đ·Đ¼Đ¼Đ¶Đ½Đ¼ Đ½Đ°Đ¶Đ°Đ² Đ°Đ½Đ¼Đ¿Đ°Ńf "Đ°ŃfĐ¿Đ,Ń,ŃCE" Đ, Đ¿ĐŃĐ¼Đ¹Ń,Đ, Đ¿ĐŃĐ¼ĐŃ•Ń,ŃfŃŽ ŃĐĐμĐ³Đ,Ń•Ń,ŃĐ°Ń†Đ,ŃŽ. Đ"Đ°Đ»ĐμĐμ Đ²Ń« Đ¿Đ¼Đ¿Đ°Đ'ĐμŃ,Đμ Đ² Ń•ĐμŃĐ²Đ,Ń• Đ¼Đ½-Đ»Đ°Đ¹Đ½, Đ³Đ'Đμ Đ²Đ°Đ¼ Đ±ŃfĐ'ĐμŃ, Đ¿ĐŃĐμĐ'Đ»Đ¼Đ¶ĐμĐ½Đ¼ Đ²Ń«Đ±ŃĐ°Ń,ŃCE Ń•Đ¿Đ¼Ń•Đ¼Đ± Đ¼Đ¿Đ»Đ°Ń,Ń« Đ, Đ¼Đ¿Đ»Đ°Ń,Đ,Ń,ŃCE Đ·Đ°Đ°Đ°Đ. ĐŸĐ¼Ń•Đ»Đμ Đ¿Đ¼Đ'Ń,Đ²ĐμŃĐ¶Đ'ĐμĐ½Đ,Ń• Đ¼Đ¿Đ»Đ°Ń,Ń« Đ²Ń« Đ¿Đ¼Đ»ŃfŃ†Đ,Ń,Đμ Đ·Đ°Đ°Đ°Đ·Đ°Đ½Đ½ŃfŃŽ Đ·Đ°Đ'Đ°Ń†Ńf. Đ—Đ°Đ'Đ°Ń†Đ° Đ¿ĐŃĐμĐ'Ń•Ń,Đ°Đ²Đ»ĐμĐ½Đ° Đ²Đ²Đ,Đ'Đμ Ń•Đ°Đ°Đ½Đ¼Đ² Đ,Đ. Đ»Đ,Ń,ĐμŃĐ°Ń,ŃfŃĐŃ« Đ' Ń•Đ»ŃfŃ†Đ°Đμ Đ²Đ¼Đ·Đ½Đ,Đ°Đ½Đ¼Đ²ĐμĐ½Đ,Ń• Đ·Đ°Ń,ŃĐŃfĐ'Đ½ĐμĐ½Đ,Đ¹ Ń•Đ¼Đ¼Ń,ŃĐĐ, ŃfŃ•Đ»Đ¼Đ²Đ,Ń• Đ¼Đ±Ń•Đ»ŃfĐ¶Đ,Đ²Đ°Đ½Đ,Ń• Đ, Đ½Ń,Đ¼ŃĐ¼Đ°Ń†Đ,ŃŽ Đ¼ Đ¿ĐŃĐ¼Đ'Đ°Đ²Ń†Đμ.

[Đ°Đ½Ń,Đ¼ŃĐ¼Đ°Ń†Đ,Ń• Đ¼ Đ¿ĐŃĐ¼Đ'Đ°Đ²Ń†Đμ](#)